Bradfield Quarry, Rehabilitation and Bulk Earthworks, 225-245 Martin Rd Bradfield

Goodman Property Services (Aust) Pty Ltd (Applicant) on behalf of Goodman Western Sydney Pty Limited as trustee for the Goodman Western Sydney Trust (Owner)

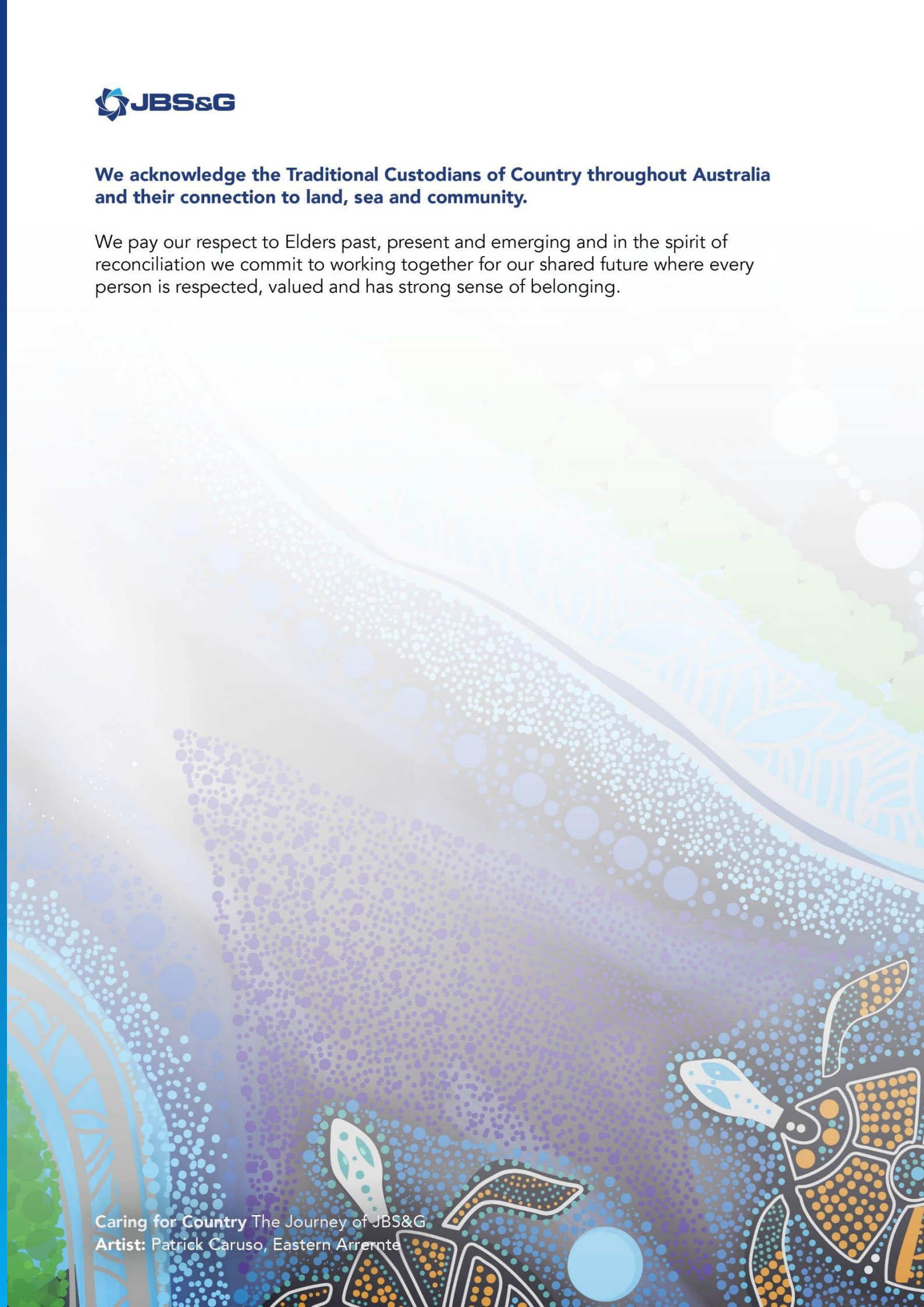
SSD-97711727 Site Wide Remedial Action Plan

70609 | 173,973 (Rev 1)

24 March 2026

We acknowledge the Traditional Custodians of Country throughout Australia and their connection to land, sea and community.

We pay our respect to Elders past, present and emerging and in the spirit of reconciliation we commit to working together for our shared future where every person is respected, valued and has strong sense of belonging.



Caring for Country The Journey of JBS&G
Artist: Patrick Caruso, Eastern Arrernte

Executive Summary

JBS&G Australia Pty Ltd (JBS&G) was engaged by Goodman Property Services (Aust) Pty Ltd on behalf of Goodman Western Sydney Pty Limited as trustee for the Goodman Western Sydney Trust, referred to herein as 'Goodman' and/or 'the client', to prepare a Remedial Action Plan (RAP) for the site located at 225-245 Martin Road, Bradfield NSW 2556 (the 'site'). The site is legally identified as Lots 1 to 3 in Deposited Plan (DP) 1278780 and Lots 55 and 56 in DP 3050 and occupies a total area of approximately 190 hectares (ha).

The site currently comprises:

- A former quarry undergoing rehabilitation works in the central, southern, and western portions of the site, inclusive of open pits, stockpiles, and offices/amenities;
- A former brick manufacturing factory area in the central portion of the site, noting that above-ground factory infrastructure has largely been demolished;
- A roof tile storage and distribution centre in the central portion of the site adjoining the former factory area; and
- Farmland/grazing paddocks to the north/northwest and east of the quarry area, inclusive of farm dams, a stockyard area, internal access roads, drainage channels, quarry bunds, and stockpiles.

A combined Preliminary and Detailed Site Investigation (P/DSI, JBS&G 2026[1]) has been prepared for the site to support an Environmental Impact Statement (EIS) that will address the Planning Secretary's Environmental Assessment Requirements (SEARs) for the proposed State Significant Development Application (SSDA) No. 97711727 (referred to herein as 'the SSDA').

The P/DSI (JBS&G 2026) identified a range of Areas of Environmental Concern (AECs) requiring remediation and/or management, as well as a contamination related data gaps requiring further investigation. As such, the client has requested a site wide RAP be prepared to address the requirements of the SEARs. A checklist in relation to the SEARs is documented in **Table E-1** below.

This document presents a site wide RAP that outlines the principles of remedial/validation works required to make and demonstrate the site as suitable for the proposed commercial industrial land use with limited recreation / open spaces pursuant to the NEPC (2013[2]), and consistent with relevant guidelines made or endorsed by the NSW Environment Protection Authority (NSW EPA) inclusive of NSW EPA (2017[3]) and the requirements of Chapter 4 Remediation of Land of *State and Environmental Planning Policy (Resilience and Hazards) 2021* (R&H SEPP).

Evaluation of remedial options resulted in the preferred remedial approach involving:

- Excavation and on-site bioremediation of petroleum hydrocarbon contaminated soils;
- Removal, to the extent practicable, of hydrocarbon contaminated seepage water(s) from remedial excavations (where encountered) and either off-site disposal or onsite treatment;

[1] *225-245 Martin Road, Bradfield NSW 2556 Goodman Property Services (Aust) Pty Ltd (Applicant) on behalf of Goodman Western Sydney Pty Limited as trustee for the Goodman Western Sydney Trust (Owner) Combined Preliminary and Detailed Site Investigation*, 18 February 2026, JBS&G Australia Pty Ltd (JBS&G 2026)

[2] *National Environmental Protection (Assessment of Site Contamination) Measure 2013*. National Environment Protection Council, 2013 (NEPC 2013).

[3] *Contaminated Sites Guidelines for the NSW Site Auditor Scheme (3rd Edition)* EPA (2017)

- Excavation, relocation and on-site containment of asbestos impacted soils and/or spreading and picking of asbestos impact (where non-friable in nature) to reduce contaminant concentrations to an acceptable level; and
- Implementation of additional investigation to assess a range of data gaps identified as part of the P/DSI (JBS&G 2026).

The RAP has developed an appropriate remediation and validation plan which is technically feasible and includes requirements for relevant site environmental and safety management controls, and approvals. Subject to the successful implementation of the measures described in this RAP it is concluded that site can be made suitable for the intended commercial / industrial land uses.

Table E.1 Investigation Checklist

Agency / Documentation Requirement	Relevant Section of Report
Department of Planning, Housing and Infrastructure (DPHI) / Liverpool City Council (LCC): '*Contamination – a site contamination assessment in accordance with Chapter 4 of the State Environmental Planning Policy (SEPP) (Resilience and Hazards) 2021 and the Managing Land Contamination Planning Guidelines: SEPP 55 – Remediation of Land (DUAP 1998), including:* • *Characterisation of the nature and extent of any contamination on the site and surrounding area; and* • *A Detailed Site Investigation (DSI) and Remedial Action Plan (RAP), if the Preliminary Site Investigation indicates contamination is present and a DSI is required.'*	Standalone combined PSI/DSI (JBS&G 2026) RAP – this entire document
NSW Health – Southwestern Sydney Local Health District (SWSLHD). Assessment / consideration to the requirements for managing the presence of asbestos on the site under the proposed development. Broad consideration to environmental impacts.	Detailed evaluation of the proposed remedial strategy with consideration to relevant regulatory compliance, confirming appropriateness of the proposed strategy with consideration to the protection of human health is outlined in **Section 7**.

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Abbreviations

Term	Definition
ACHAR	Aboriginal Cultural Heritage Assessment Report
ACM	Asbestos-containing material
AEC	Area of Environmental Concern
ANZG	Australia and New Zealand guidelines for fresh and marine water quality
ASC NEPM	National Environment Protection (Assessment of Site Contamination) Measure 1999 as amended 2013
ASS	Acid Sulfate Soils
AST	Above-ground storage tank
B(a)P	Benzo(a)pyrene
bgl	Below ground level
BTEXN	Benzene, toluene, ethylbenzene, xylenes, and naphthalene
BYDA	Before You Dig Australia
CLM Act	Contaminated Land Management Act 1997
COC	Chain of Custody
CoC	Conditions of Consent
COPCs	Contaminants of Potential Concern
CSM	Conceptual Site Model
CT	Contaminant threshold
DEC	Department of Environment and Conservation
DGV	Default guideline value
DO	Dissolved oxygen
DOH	Department of Health
DP	Deposited Plan
DPE	Department of Planning and Environment
DPHI	Department of Planning, Housing and Infrastructure
DQIs	Data Quality Indicators
DQOs	Data Quality Objectives
DSI	Detailed Site Investigation
DUAP	NSW Department of Urban Affairs (predecessor to current NSW DPHI)
EC	Electrical conductivity
EES	Environmental Earth Sciences Pty Ltd
EIL	Ecological investigation level
EIS	Environmental Impact Statement
EMS	Environmental management system
ENM	Excavated Natural Material
EPA	Environment Protection Authority

Term	Definition
EPL	Environment Protection Licence
ESA	Environmental Site Assessment
ESL	Ecological screening level
FA/AF	Fibrous asbestos/asbestos fines
FMP	Fill Management Plan
Goodman	Goodman Property Services (Aust) Pty Ltd on behalf of Goodman Western Sydney Pty Limited as trustee for the Goodman Western Sydney Trust
GSW	General Solid Waste
ha	Hectare
HEPA	Heads of EPA Australia and New Zealand
HMGV	Hardness-modified guideline value
HDPE	High-density polyethylene
HIL	Health investigation level
HSL	Health screening level
IP	Interphase probe
IPG	Ingham Property Group
ITP	Inspection and Testing Plan
JBS&G	JBS&G Australia Pty Ltd
JRA	Job Risk Assessment
LFAI	Loose Fill Asbestos Insulation
LNAPL	Light non-aqueous phase liquids
LOR	Limit of reporting
MOD	Modification
NEMP	PFAS National Environmental Management Plan 3.0
NEPC	National Environment Protection Council
NHMRC	National Health and Medical Research Council
NSW	New South Wales
OCPs	Organochlorine pesticides
ORP	Oxidation-reduction potential
PAHs	Polycyclic aromatic hydrocarbons
PCBs	Polychlorinated biphenyls
PFAS	Per- and polyfluoroalkyl substances
PID	Photoionisation Detector
POEO Act	Protection of the Environment Operations Act 1977
PSI	Preliminary Site Investigation
RAP	Remediation Action Plan
RPD	Relative percentage difference
RSW	Restricted Solid Waste
SAQP	Sampling, Analysis, and Quality Plan

Term	Definition
SCC	Specific contaminant concentration
SCID	Stored Chemical Information Database
SEARs	Planning Secretary's Environmental Assessment Requirements
SEPP	State Environmental Planning Policy
SSDA	State Significant Development Application
SWL	Standing water level
SWMS	Safe Work Method Statement
TCLP	Toxicity characteristic leaching procedure
TEQ	Toxicity equivalence
toc	Top of collar
TPH	Total petroleum hydrocarbons
TRH	Total recoverable hydrocarbons
UFP	Unexpected Finds Protocol
uPVC	Unplasticised polyvinyl chloride
UST	Underground storage tank
VENM	Virgin Excavated Natural Material
WA	Western Australia
WQM	Water quality meter
WSAP	Western Sydney Aerotropolis Plan
WSI	Western Sydney International (airport)

1. Introduction and Background

JBS&G Australia Pty Ltd (JBS&G) was engaged by Goodman Property Services (Aust) Pty Ltd on behalf of Goodman Western Sydney Pty Limited as trustee for the Goodman Western Sydney Trust, referred to herein as 'Goodman' and/or 'the client', to prepare a Remedial Action Plan (RAP) for the site located at 225-245 Martin Road, Bradfield NSW 2556 (the 'site'). The site is legally identified as Lots 1 to 3 in Deposited Plan (DP) 1278780 and Lots 55 and 56 in DP 3050 and occupies a total area of approximately 190 hectares (ha). The site location and layout are shown in **Figure 1** and **Figure 2**, respectively.

The site currently comprises:

- A former quarry undergoing rehabilitation works in the central, southern, and western portions of the site, inclusive of open pits, stockpiles, and offices/amenities;
- A former brick manufacturing factory area in the central portion of the site, noting that above-ground factory infrastructure has largely been demolished;
- A roof tile storage and distribution centre in the central portion of the site adjoining the former factory area; and
- Farmland/grazing paddocks to the north/northwest and east of the quarry area, inclusive of farm dams, a stockyard area, internal access roads, drainage channels, quarry bunds, and stockpiles.

A combined Preliminary and Detailed Site Investigation (P/DSI, JBS&G 2026[4]) has been prepared for the site to support an Environmental Impact Statement (EIS) that will address the Planning Secretary's Environmental Assessment Requirements (SEARs) for the proposed State Significant Development Application (SSDA) No. 97711727 (referred to herein as 'the SSDA').

The DSI (JBS&G 2026) identified a range of Areas of Environmental Concern (AECs) requiring remediation and/or management, as well as a contamination related data gaps requiring further investigation. As such, the client has requested a site wide RAP be prepared to address the requirements of the SEARs. A checklist in relation to the SEARs is documented in **Table 1-1** below.

This RAP has been prepared in accordance with NEPC (2013)[5], guidelines made or approved by the NSW EPA and relevant Australian Standards.

Table 1-1 Investigation Checklist

Agency / Documentation Requirement	Relevant Section of Report
Department of Planning, Housing and Infrastructure (DPHI) / Liverpool City Council (LCC): '*Contamination – a site contamination assessment in accordance with Chapter 4 of the State Environmental Planning Policy (SEPP) (Resilience and Hazards) 2021 and the Managing Land Contamination Planning Guidelines: SEPP 55 – Remediation of Land (DUAP 1998), including:* • *Characterisation of the nature and extent of any contamination on the site and surrounding area; and*	Standalone combined PSI/DSI (JBS&G 2026) RAP – this entire document

[4] *225-245 Martin Road, Bradfield NSW 2556 Goodman Property Services (Aust) Pty Ltd (Applicant) on behalf of Goodman Western Sydney Pty Limited as trustee for the Goodman Western Sydney Trust (Owner) Combined Preliminary and Detailed Site Investigation*, 18 February 2026, JBS&G Australia Pty Ltd (JBS&G 2026)

[5] *National Environmental Protection (Assessment of Site Contamination) Measure 2013*. National Environment Protection Council, 2013 (NEPC 2013).

• *A Detailed Site Investigation (DSI) and Remedial Action Plan (RAP), if the Preliminary Site Investigation indicates contamination is present and a DSI is required.'*	
NSW Health – Southwestern Sydney Local Health District (SWSLHD). Assessment / consideration to the requirements for managing the presence of asbestos on the site under the proposed development. Broad consideration to environmental impacts.	Detailed evaluation of the proposed remedial strategy with consideration to relevant regulatory compliance, confirming appropriateness of the proposed strategy with consideration to the protection of human health is outlined in **Section 7**.

1.1 Objectives

The objective of this RAP is to document the procedures and standards to be followed to remove the risks posed by the identified contamination issues, such that the site is made suitable for redevelopment while ensuring the protection of human health and the surrounding environment. A secondary objective of the RAP is to select remediation / management options that are consistent with the principles of ecologically sustainable development (ESD).

1.2 Scope of Work

The RAP has been prepared by:

- Review of the proposed development and identified of potential contamination exposure pathways;
- Review of previous environmental assessments to characterise the contamination status of the site;
- Thorough development of a conceptual site model identification of the extent of remediation required to make the site suitable for the proposed development and/or not pose an unacceptable risk to the surrounding area;
- Identification of acceptable levels of contaminants for the proposed development and derivation of remediation criteria;
- Identification of Areas of Environmental Concern (AEC) requiring further investigation and development of appropriate validation sampling and analysis program(s) to address data gaps;
- Development of remedial strategies to cause the removal of the extent of contamination and/or identify requirements to manage contamination;
- Development of a validation strategy to assess the effectiveness of remedial works; and
- Identification of additional studies and documents that require to be prepared to facilitate the implementation of the remedial works.

1.3 Proposed SSDA Activities

The Bulk Earthworks SSDA seeks approval for the following activities:

- Site Preparation works only (i.e no buildings, retaining walls or other infrastructure works);
- Rehabilitation of areas disturbed by historic mining and brick-making operations under major project approval MP10_0014 and MP10_0033;
- Bulk Earthworks to the site to align with the Connecting to Country and Precinct Plan principles including both the disturbed and undisturbed portions to capture the following proposed works:

- Rehabilitation of Pits 1 & 2 using predominantly on-site fill (Engineered fill import required); and
- Preparation of the remaining site area to Bulk Earthwork Levels (BEL) (not including detailed trimming) for the proposed industrial development as considered under SSDA 97688711.

- Quarrying and Export of Bringelly Shale and Clay from select areas of Pit 1 & 2 to rectify the previous approved pit designs to ensure they are geotechnically stable to suit the proposed industrial masterplan (**Appendix A**);
- Vegetation Removal of 6.97Ha over land that is not certified under the Growth Centre SEPP:
  - Species being cleared involve species protected under both the Biodiversity Conservation Act 2016 and Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act).
  - EPBC Act Referral completed on a precautionary measure given small amount of EPBC listed communities.
- Demolition of any remaining structures on the site;
- Rehabilitation of identified and unidentified contamination and, if required, the construction of a containment cell in the proposed northeastern corner of the site (currently identified as Lot 55 of DP 3050). The containment cell will comprise a Scheduled Activity as defined in the POEO Act (1997) Schedule 1 as the proposed maximum volume of 100,000 m^3contaminated material to be treated (stored) will exceed the nominated threshold.
- Relocation of the Jemena Gas main predominantly burdening Lot 3 of DP127878.0
- If required through an Aboriginal Cultural Heritage Assessment Report (ACHAR), relocation and reburial of artefacts.

Additionally, this SSDA application seeks to rely on already existing authority approvals issued under MP10_0014 (subject to any applicable modifications). These are as follows:

- Mining Lease 1771
- Environmental Protection Licence 684
- Ground Water Access Licence WAL24346
- Ground Water Supply Works Approval No. 10WA109463

It is important to note that a number of the proposed activities being sought for approval under this SSDA have previously been assessed and approved under MP10_0014. The existing DA relates to approximately 70Ha of Net Developable Area (NDA), with the new portion of site approx. 36ha NDA. Cumulatively the area is approx. 116ha NDA.

1.4 Fill Management Plan

Quarry rehabilitation works at the site are currently being undertaken in accordance with a Fill Management Plan (FMP, ERM 2025[6]), which forms part of the scope approved under MP10_0014 and its associated operating conditions as stipulated in the current Environment Protection Licence (EPL 684). The FMP (ERM 2025) has been subject to review by the appointed independent NSW EPA accredited Site Auditor, Mr James Davis of Enviroview. The FMP prescribes the requirements for assessment and characterisation of:

- Fill materials currently located on site as associated with former quarrying activities to confirm their suitability for re-use as part of rehabilitation works, from a contamination perspective;

[6] *Fill Management Plan, Badgerys Creek Quarry and Brick Making Project*, Environmental Resources Management Australia Pty Ltd (ERM), 6 January 2025 (ERM 2025).

- Materials proposed to be imported to the site for use as engineered fill as part of quarry rehabilitation works; and
- Protocols for addressing unexpected finds.

As part of this RAP, JBS&G has revised the FMP (JBS&G 2026[7]) such that it may continue to be applicable to ongoing rehabilitation works concurrent to the proposed remediation and development activities outlined herein. It is envisaged that this revised JBS&G FMP which forms part of this RAP (**Appendix D**) will be reviewed by the Department of Planning and conditioned alongside this RAP for the proposed development as part of the SSDA. In addition, it is understood future modifications to the existing EPL are proposed by the Client, during which period it is anticipated the JBS&G FMP will be provided to the NSW EPA for review to fulfil the requirements of the current EPL conditions. Further, this RAP and FMP will be subject to review and endorsement by the appointed independent NSW site auditor.

The revised FMP has retained the main objectives and protocols outlined in the ERM FMP (2025) for consistency and to ensure the objectives of the ERM FMP (2025) are maintained following the approval of the SSDA/EPL amendments whereby the JBS&G FMP becomes applicable.

[7] *Former Bradfield Quarry, 225-245 Martin Road, Bradfield NSW Fill Management Plan*. Prepared by JBS&G Australia Pty Ltd doc ref 70609/172508 Rev 0 dated 18 March 2026 (JBS&G 2026)

2. Site Identification

The site location and layout are shown on **Figure 1** and **Figure 2**, respectively. The site details are summarised below.

Table 2-1 Site Detail Summary

Lot/Deposited Plan (DP)	Lots 1 to 3 DP 1278780 Lots 55 and 56 DP 3050
Address	225-245 Martin Road Bradfield, NSW
LGA	Liverpool City Council
Site Zoning	**ENT:** Enterprise **ENZ:** Environment and Recreation
Current Use	Former quarry undergoing rehabilitation, tile storage/distribution area and agricultural (grazing areas) in the north and eastern portions
Previous Use	Quarry, brick making plant and associated infrastructure with agricultural (grazing areas) in the north and eastern portions
Proposed Use	Commercial/Industrial with biodiversity zones.
Site Area	Approximately 190 Ha

2.1 Site Description

A detailed site inspection of the accessible portions of the site was completed by an appropriately qualified and experienced JBS&G environmental consultant on 28 May 2025.

The property at 225-245 Martin Road comprised an operational tile storage business and a quarry rehabilitation site and two areas of agricultural land uses (in the north and east of the site). The site was accessible via a 2-lane driveway in a south-westerly direction frequented by B-doubles and container trucks. An additional entry to the site was present at the southern end of Martin Road, bound by a tall, locked gate. Rural residential properties and the Australian Native Landscapes (ANL) Badgerys Creek site were observed to the east of the site along Martin Road.

Upon entry to the property via the main driveway, the quarry rehabilitation site office operated by Mulgoa Quarries was observed on the southern side of the driveway, and the tile business storage yard operated by PGH Bricks & Pavers was directly at the end of the driveway to the west.

The site was then separated into three main areas, comprising the agricultural farmland, former brick factory footprint and quarry rehabilitation areas, with each discussed separately below.

2.1.1 Farmland

Open pasture farmland was present in the northern and eastern portions of the site, separated from the remainder of the site by barbed wire fencing and steel access gates.

2.1.1.1 Northern Farmland Area (Figure 3a)

The northern farm area covers approximately 35 ha and comprised an active cattle farm on 28 May 2025, noting all cattle had been removed from the site by the time of the inspection on 5 November 2025. Minimal remaining farm infrastructure was present, consisting of fenced areas, some cattle restrictor gates, and indications of several former structures.

Former building footprints (farm sheds/animal loading yard and a residential structure) were present in two locations. The former farm shed/animal loading yard area was observed to generally be surfaced by crushed sandstone with occasional inclusions of bricks and brick fragments. No suspected asbestos-containing

material (ACM), staining or odours other than animal waste were noted during inspection of the accessible ground surfaces throughout the northern farm area, inclusive of within the former building footprints. Anthropogenic (foreign) materials, including brick fragments and plastic, were occasionally observed on the ground surface.

Three large surface water basins/farm dams and a man-made concrete-lined water quality treatment/ holding pond were also observed in the northern farm. The farm dams appeared to be constructed below ground level, and the dam walls were likely constructed from overburden generated from the dam excavation. Gross anthropogenic materials within the surrounding dam banks and walls were not noted during the inspection. A drainage channel of relatively recent construction was located to the west of the north-western dam that appeared likely to direct overland flow toward Badgerys Creek/low-lying areas in the north-west. The grassed areas in the north-western portion of the site that were anticipated to receive dam overflow were relatively damp at the time of the site inspection.

A weather station was positioned between the basin areas. A sandstone-gravel-surfaced road extended west from a separate entry off Martin Road to the western section of the farmland. A barbed wire-fenced area of approximately 45 x 30 m was present along the unsealed road south of the weather station. The fenced area contained dense vegetation of weeds and two sprinklers. It is understood from conversations with Mulgoa Quarries personnel that the area was used for the spray irrigation of treated sewage generated from the on-site sewage management system (located to the north of the former factory footprint).

Topographically, there was a local high point running north-south between the eastern and 2 western farm dams in this portion of the site. From this area, the site generally sloped down to the east and west, respectively and slightly to the north. A drainage channel was present in the western portion of the site, generally running from south to north and flowing into Badgerys Creek. The area in the vicinity of the drainage channel was a localised low point. Further to the west, the site sloped down in increasingly steep gradients toward the Badgerys Creek riparian zone along which the site boundary ran.

The ground surfaces were generally covered by grass. Some trees were present, mainly to the south-east of the western farm dams and adjacent to the riparian zone/ Badgerys Creek channel in the western portion of the area. Quarry bunds/stockpiles were located along the southern boundary of the area associated with former quarry activities (including stockpiling of materials to manage surface water flows as part of rehabilitation works). The two bunds in the eastern portion of the site area were within the farmland area and were approximately 2-3 m in height and covered with grass. The bund that comprises a zig-zag shape adjacent to the north of Pit 1 was within the fenceline of the quarry rehabilitation area. This bund was approximately 1-2 m in height and covered by grass. JBS&G note stockpiled material within the quarry area is being progressively generated, assessed and relocated in accordance with the existing site consent conditions for rehabilitation.

No indicators of significant or widespread contamination (aside from anthropogenic material) were identified in this area of the site, including ACM, soil staining, or odours.

2.1.1.2 Eastern Farmland Area (Figure 3b)

The eastern farmland area covers approximately 57.5 ha and comprised several large, fenced grass paddocks and was bound by Wianamatta South Creek to the east and the active quarry areas to the west. The north-west of the area was bound by the Bradfield Quarry internal site access road, whilst, from the terminus of Martin Road to the north, the east section was bounded by the property boundary adjacent to a rural residential allotment. A vacant, former agricultural property was located to the south of the area (understood to comprise a currently vacant former commercial chicken/poultry raising operation).

A sandstone-gravel-surfaced access road extended from the Bradfield Quarry in the western part of the area, providing site access toward the east. The road forked, with one direction heading north/north-east and the other south/south-east. In the north-western portion of the area, a sandstone-gravel-surfaced area was present, extending west from the access road and adjoining the eastern extent of the Quarry holding yard.

This area contained two quarry area bunds, a small material stockpile, a former residential dwelling footprint, and an area of disturbed earth south-east from the dwelling footprint.

Another access road was located in the central portion of the area, which ran in a north-to-south orientation from the terminus of Martin Road. This access road met the south-eastern road branching from the direction of the quarry in the central west portion of the area. At this intersection, another branched road headed east, then south along the quarry site area boundary to the southern extent of the area.

Topographically, the area sloped down from west toward the east and slightly from north to south. Two farm dams were present in the western portion of the area. The northern farm dam appeared to have been excavated below ground levels and no constructed dam walls were evident. A drainage channel extends from the northern farm dam to the southern, larger farm dam. The western and southern portions of the southern dam were excavated below ground level. The northern and eastern banks had constructed dam walls. Dam walls appeared to be generally grassed and where visible constructed with brown clay. No foreign materials were observed during the inspection. A small depression was located adjacent to the northeast of the large farm dam where it is inferred that surface water collects if the dam levels exceed capacity before mobilising east within an ephemeral drainage channel. A localised low-lying area was present within the central eastern portion of the farmland, to the east of the southern dam, where surface water and associated waterlogged soils were present. A drainage channel was observed leading to this low point from the western portion of the area. To the west of the low-lying area, denser vegetation and trees were present.

A small unwalled shelter constructed from timber support poles and beams and a metal roof was present in the western portion of the area, as well as two building footprints of former structures. ACM was observed on the ground surface in the vicinity of the western/southwestern building footprint.

In the central portion of the northern and southern paddock areas, two small fenced-off areas were identified as dust deposition monitoring sites for the quarry operations. Another square fenced-off area was located to the west of the trees adjacent to the low-lying area.

Several small gravel material stockpiles were present adjacent to the access roads, possibly associated with ongoing road maintenance activities.

Two small tributaries of Wianamatta South Creek were present in the eastern portion of the area, surrounded by dense vegetation. Within the vegetated area in the northeastern/eastern portion of the area, small amounts of rubbish and an empty metal drum were observed.

Bricks/brick fragments, plastic, tile and concrete were present on the surface in the vicinity of all demolished structures, however, aside from the identification of ACM within the footprint of a former structure in the western portion of the area, no other indicators of contamination, such as odours or staining, were noted.

2.2 Surrounding Land-use

The current land uses of adjacent properties and/or properties across adjacent roads are summarised below.

- North – The site is bound to the north by commercial agricultural and rural residential properties, including Australian Native Landscapes, that extend to Elizabeth Drive and are accessed by Martin and Lawson Roads from Elizabeth Drive. It is noted that several properties north of the site are subject to existing SSDAs for proposed industrial/warehouse developments.
- South – The site is bound to the south by vacant rural land, understood to have formerly comprised a commercial chicken raising facility (Inghams). This land is the subject of a redevelopment proposal as outlined in the Ingham Property Group (IPG) Master Plan, which was approved on 11 July 2025. The approved IPG Master Plan covers an area of 184 ha and includes a mix of industrial and commercial zones, a local centre, and accessible public green spaces near Badgerys Creek / Western Sydney International Airport (WSI) to the west.

- East – The site is bound to the east by Wianamatta-South Creek beyond which are rural residential properties within the suburb of Kemps Creek. These areas are understood to not be initial development precincts under the Western Sydney Aerotropolis Plan (WSAP).
- West – The site is bound to the west by the Badgerys Creek riparian zone, followed by the WSI airport site which is currently under construction.

Based on the review of available information, the surrounding land uses were identified to likely represent a low potential source(s) for migration of contamination onto the site.

2.3 Site Condition and Surrounding Environment

At the time of reporting, the site condition was generally consistent with that reported by previous investigations (JBS&G 2026) as outlined in **Section 2.1**. A summary of the site physical conditions is provided in **Table 2.2** following.

Table 2-2 Summary of Site Conditions

Element	Description
Geology	The majority of the site is underlain by Bringelly Shale of the Wianamatta Group. Bringelly Shale consists of shale, carbonaceous claystone, laminite, fine to medium-grained lithic sandstone with rare coal and tuff. It is expected that the eastern and western most site portions are characterised by tertiary alluvial deposits comprising channel and flood plain alluvium, gravel, sand, silt and clay as consistent with the Wianamatta-South Creek and Badgerys Creek riparian zones, noting that these deposits may be underlain by the Bringelly Shale formation. The site is underlain by the Blacktown and South Creek soil landscape groups. The Blacktown soil landscape is characterised by gently undulating rises on Wianamatta Group shales with local relief to 30 m and slopes usually >5 %. Soils are typically characterised by shallow to moderately deep (<100 cm) hard setting mottle texture contrast soils, red and brown podzolic soils on crests grading to yellow podzolic soils on lower slopes and in drainage lines. Limitations of the Blacktown soil group include localised seasonal waterlogging, localised water erosion hazard, moderately reactive highly plastic subsoil and localised surface movement potential.
Topography	The site is located on a localised ridgeline orientated in a north-east to south-west direction that passes through the central portion of the site. This results in localised ground slopes away from the ridgeline toward the east and Wianamatta-South Creek at the east site boundary and to the west and the Badgerys Creek riparian zone at the west site boundary. Undisturbed area ground surface levels are anticipated to range from approximately 68 m Australian Height Datum (AHD) in the northernmost portion of the site to approximately 44 m AHD at the eastern boundary and approximately 54 m AHD at the western boundary. A large levelled area is located in the central portion of the site as associated with the former brick factory and broader tile yard. This area has a reported current site elevation of approximately 64 m AHD within the former factory footprint, with minor grading toward the east of the paved yard (approximately 63.5 m AHD).
Hydrology	The site is bound to the east by Wianamatta-South Creek and to the west by Badgerys Creek, with flood plains associated with both surface water riparian zones occurring within the site. Within the site, surface water is currently managed in accordance with management plans implemented to address consent conditions for quarry rehabilitation. This includes works such that, to the maximum extent practically possible, surface water in the form of rainfall runoff is required to be prevented from entering existing Quarry Pits so as to maintain environmental overland flow regimes toward Wianamatta-South and Badgerys Creeks.
Hydrogeology	Groundwater underlying the site has been identified to be present in perched conditions as associated with weathered shale / sandstone discontinuities, with true regional groundwater present at depths within the much deeper shale bedrock and underlying sandstone basement. Previous quarrying activities at the site have identified shale bedrock exposed at the base of the pits at approximately 35 m below historical ground levels (bgl). A shallow unconfined alluvial

Element	Description
	aquifer has been identified in the riparian zone Quaternary sediment deposits in proximity of the creek lines by Arcardis (2026[8]). Groundwater within the shale and sediment deposits across the site is generally characterised as saline in nature which precludes re-use for irrigation and/or domestic water supply. The hydraulic conductivity of the shale aquifers is reported to be extremely low, between 10^{-9} m/s and 10^{-7} m/s, effectively acting as an aquiclude (Arcardis 2026). Groundwater levels have been encountered between 1 and 4m bgl within the upper unconfined aquifer of the Bringelly Shale. Groundwater flow has been identified to have short flow lengths, be unconfined and driven by gravity (i.e., moving away from hill crests situated in the central site portion, toward drainage lines at the east and west). Groundwater contours as established by Arcadis (2026) are presented on **Figure 6D**. Greater lateral flow paths can be expected at the interface between the shale and sandstone units which can act as preferential flow paths in an otherwise low permeability environment.
Acid Sulfate Soils	Review of the Liverpool Acid Sulfate Soil Risk Map[9] indicated that the site is located in an area mapped as having 'no known occurrence' of acid sulfate soil (ASS) conditions. ASS conditions are not known or expected to occur in these environments. As such, it is considered that there is no risk that proposed development works will result in the disturbance of known or suspected ASS conditions within, or up to 500 m downgradient of the site.
Meteorology	A review of average climatic data for the nearest relevant Bureau of Meteorology monitoring location (Badgerys Creek , 2.6 km from the site) indicates the site is located within the following meteorological setting: • Mean minimum temperatures vary from 4.3°C in July to 17.2°C in January; • Mean maximum temperatures vary from 17.6°C in July to 30.0°C in January; • The mean annual rainfall is approximately 729.6 mm, with rainfall greater than 1 mm occurring on an average of 69.5 days per year; and • Monthly average rainfall varies from 33.1 mm in July to 106.7 mm in February, with the wettest periods occurring on average in January through to March.

2.4 Site History

The individual lots that together make up the site were originally used for rural residential/farming enterprises until approximately the 1970s, when various new owners, including developers and bank managers, acquired the land in advance of acquisition by Pacific Brick, which went on to become Boral Bricks Pty Ltd. All land was then transferred in 2015 to PGH Bricks and Pavers Ltd. From the 1970s until recently the site has been used for quarrying and activities associated with the manufacture of brick and paver products, noting that areas of the north and east of the site beyond the PGH operations were leased to parties for the agistment of cattle.

Goodman (the Client) acquired all lots as identified as the site in **Section 2.1** on 19 December 2025.

As noted in Section 1, the site is currently the subject of an EPL no. 684, issued for premises based activities including ceramics production (0-15,000 t annual production capacity) and mining for minerals (0-30,000 t annual production). With regard to site activities, this licence addresses the management of on-site surface water, implementation of filling activities (consistent with the FMP, ERM 2025), importation of materials as either virgin excavated natural material (VENM) or material covered by a NSW EPA issued resource recovery order (RRO), inclusive of excavated natural material (ENM), tunnel spoil material, etc.

[8] *225-245 Martin Road, Bradfield SSD-97688711 Internal Works – Estate and Lots Groundwater Assessment Report*. Date 19 December 2025 (Arcadis 2025).

[9] *'Acid Sulfate Soil Risk Map – Liverpool, 9030S2,* 1997 1:25 000 (NSW DLWC)

3. Remediation Criteria

Remediation criteria have been presented here as the validation criteria that are intended to be applied to the forthcoming remedial works, and further other published criteria that may be considered during the implementation of the works.

The application of each of the criteria is discussed briefly following, and in more detail in **Section 9**.

3.1 Soil Validation Criteria

Soil validation criteria for the extent of contaminants of potential concern (COPCs) on the site are summarised in **Table 3.1** following. The selections of COPCs for assessment criteria have been based on the constituents identified in the Conceptual Site Mode (CSM) prepared for the site (**Section 5**) and on the basis of the site comprising a commercia/industrial precinct. Additional validation criteria have been outlined for the small portion of the site proposed for open space/recreation land uses (**Section 3.7**).

In reviewing available applicable criteria to address the CSM and identified COPCs, it was noted that the source of TRH impact identified at the site does not comprise petrol and/or diesel products, instead likely being a complex combination of products associated with the factory operations, including but not limited to machine/hydraulic oils, degreasers, fuel (likely diesel), etc. With reference to the NEPC (2013) generic TRH criteria, it is noted that these are based upon the source being petrol and/or diesel products with apportioning of aromatic and aliphatic fractions of TRH on this basis. As such there is no basis by which to reliably assign aromatic or an aliphatic fractions to the criteria. Therefore, a review of CRCCARE (2011[10]) has been undertaken and site specific criteria derived that are protective of a range of aromatic :aliphatic TRH fraction ratios applicable to site specific conditions.

Alternate TRH criteria to those provided in the NEPM have been adopted. The TRH criteria as provided in the NEPM are based on an assumption of the relative level of aliphatic and aromatic constituents present in the TRH analysis result. The relative levels of aliphatic and aromatic constituents are derived in NEPM based upon product analysis results of motor spirit and diesel sources. This restricts the NEPM TRH criteria to be specific / applicable to motor spirit / diesel based petroleum contamination only. These calculations / assumptions are detailed in CRCCARE Report 10.

The TRH impact on the site is not strictly consequent of a historical motor spirit or diesel source given the historical information as available to the site. Further the limited source product analysis has indicated that an engine oil source is more likely. Given that an engine oil / lubricant has not been considered as a source product in CRCCARE Report 10, the division of TRH into aliphatic and aromatic fractions cannot be confirmed as specific to the TRH impact as present on the site.

Conservatively, JBS&G has set an outcome where the impact is present as potentially 100% aliphatic constituents, or 100% aromatic constituents, and the equivalent criteria. The validation criteria presented below is the most conservative outcome of these assumptions. For the oral and dermal exposure pathway, TRH impact has been assumed to be present only as the more toxic aromatic constituents.

Table 3-1 Summary of Soil Criteria (mg/kg unless noted otherwise)

Constituent	Criteria	Potential Exposure Pathways	Source / Reference
TRH C6-C10	190	Inhalation and direct contact	CRCCARE (2011), clay soils. No specific source of TRH (Direct contact 10 000 mg/kg).

[10] *CRCCARE Health Screening Levels for Petroleum Hydrocarbons in Soil and Groundwater*, 2011, Friebel and Nadebaum (CRCCare 2011)

Constituent	Criteria	Potential Exposure Pathways	Source / Reference
TRH C10-C16	380	Inhalation and direct contact	CRCCARE (2011), clay soils. No specific source of TRH (Direct contact 10 000 mg/kg).
TRH C16-C34	7600	Direct contact	CRCCARE (2011). No specific source of TRH.
TRH C34-C40	7600	Direct contact	CRCCARE (2011). No specific source of TRH.
Benzene	4	Inhalation and direct contact	NEPC (2013), clay soils (Direct contact only, 430 mg/kg)
Toluene	3000	Direct contact (inhalation non limiting, NL)	NEPC (2013), clay soils and CRCCARE (2011)
Ethylbenzene	1000	Direct contact (inhalation NL)	NEPC (2013), clay soils and CRCCARE (2011)
Xylenes	700	Direct contact (inhalation NL)	NEPC (2013), clay soils and CRCCARE (2011)
Naphthalene	25	Direct contact (inhalation NL)	NEPC (2013), clay soils and CRCCARE (2011)
Benzo(a)pyrene (TEQ)	40	Direct contact	NEPC (2013)
PAHs (total)	400	Direct contact	NEPC (2013)
Asbestos in soil (bonded)	0.05%	Inhalation fibres	NEPC (2013), 500 mg/kg
Asbestos in soil (friable / fines, AF/FA)	0.001%	Inhalation fibres	NEPC (2013), 10 mg/kg

It is noted that the criteria in **Table 3.1** are provided in anticipation of a remedial program at the site. Vapour intrusion criteria for volatile TRH and BTEXN are based on an assumption of clay based soils. However, there is a potential that sand / gravelly coarse grained soils will be used as fill materials on the site in some areas. On this basis, alternate criteria for vapour intrusion using the most permeable soil type to NEPC (2013) are provided in **Table 3.2** following.

Table 3-2 Alternate Soil Criteria for Sand/Gravel based Fill (mg/kg)

Constituent	Criteria	Potential Exposure Pathways	Source / Reference
TRH C6-C10	70	Inhalation and direct contact	NEPC (2013), sand soils
TRH C10-C16	140	Inhalation and direct contact	NEPC (2013), sand soils
Benzene	3	Inhalation and direct contact	NEPC (2013), sand soils

3.2 Soil Vapour Validation Criteria

Soil vapour criteria are summarised following in **Table 3.3**. These criteria can be used instead of soil based criteria for constituents where the criteria is limited by potential vapour intrusion (i.e. TRH C6-C10, C10-C16 and Benzene). Validation data will require to be collected as soil vapour data to allow use of these criteria, noting it is only proposed to collect vapour validation data as a contingency.

Table 3-3 Summary of Soil Vapour Criteria (mg/m^3)

Constituent	Criteria	Potential Exposure Pathways	Source / Reference
TRH C6-C10	170	Inhalation	CRCCARE (2011) sand based soils
TRH C10-C16	180	Inhalation	CRCCARE (2011) sand based soils
Benzene	4	Inhalation	CRCCARE (2011) sand based soils

Toluene	4800	Inhalation	CRCCARE (2011) sand based soils
Ethylbenzene	1200	Inhalation	CRCCARE (2011) sand based soils
Xylenes	840	Inhalation	CRCCARE (2011) sand based soils
Naphthalene	3	Inhalation	CRCCARE (2011) sand based soils

3.3 Seepage Water Validation Criteria

Seepage water validation criteria are summarised in **Table 3.4** following. These criteria will be applied to the remedial works proposed to address the source removal activities and associated impacted soil/seepage water impacts within the former factory footprint, including those identified at BH104/MW101. The criteria presented are noted to be highly conservative for the potential extent of exposures that may occur to groundwater within the site.

The criteria shall be used as a screening criteria in the first instance – and any exceedances then assessed by site specific health risk assessment as based on an assessment of potential exposures in the context of the specific proposed development scenario. Any risk assessment undertaken for this purpose would require to be reviewed / approved by the Site Auditor prior to the remedial works stage being considered complete and the excavation backfilled.

Table 3-4 Summary of Seepage Water Criteria (mg/L)

Constituent	Criteria	Potential Exposure Pathways	Source / Reference
TRH C6-C10	4	Inhalation and direct contact	CRCCARE (2011), sand based geology
TRH C10-C16	5	Inhalation and direct contact	CRCCARE (2011), sand based geology
TRH C16-C34	-	Direct contact	No light non aqueous phase liquid (LNAPL) to be present.
TRH C34-C40	-	Direct contact	No LNAPL to be present.
Benzene	0.01	Inhalation and direct contact	NEPC (2013) adjusted by factor of 10. Recreational exposure criterion[11].
Toluene	8	Inhalation and direct contact	NEPC (2013) adjusted by factor of 10. Recreational exposure criterion.
Ethylbenzene	3	Inhalation and direct contact	NEPC (2013) adjusted by factor of 10. Recreational exposure criterion.
Xylenes	6	Inhalation and direct contact	NEPC (2013) adjusted by factor of 10. Recreational exposure criterion.
Naphthalene	12	Inhalation	CRCCARE (2011), sand based geology.

3.4 Aesthetics

A range of aesthetic impacts have been identified on the site as described in the CSM and previous investigations generally described as:

[11] Ten times the Australian Drinking Water Guidelines (ADWG) values as consistent with direction provided in the *Guidelines for Managing Risks in Recreational Water*. National Health and Medical Research Council, NHMRC 2008 (NHMRC 2008)

- Occurrence of visible ACM in retained soils; and
- Petroleum hydrocarbon odours, sheens, staining, soils discolouration as consequent of petroleum hydrocarbon impact.

NEPC (2013) does advise that aesthetic issues generally relate to the presence of low-concern or non-hazardous inert foreign material (refuse) in soil or fill resulting from human activity. Sites that have been assessed as being acceptable from a human health and environmental perspective may still contain such foreign material. Other sites may have some soil discolouration from relatively inert chemical waste (for example, ferric metals) or residual odour.

Instances of aesthetic issues that may occur on a site that are nominated by NEPC (2013) and potentially applicable to site as requiring further assessment include:

- Highly malodorous soils or extracted groundwater (e.g. strong residual petroleum hydrocarbon odours); and
- Hydrocarbon sheen on surface water.

NEPC (2013) further advises that surface soils on a site (to a depth of 150 mm) should be free of visible ACM.

It is considered that some tolerance of aesthetically impacted materials in the sub-surface can be anticipated on a commercial / industrial site. There is further, the potential of a substantial remedial scope on the site being required by a strict aesthetic standard in relation to generally non-hazardous heavy end petroleum hydrocarbons. This is not consistent with the overall ESD and waste minimisation objectives of the project. On the basis of these considerations, an aesthetic validation criterion of:

- No strong hydrocarbon odours;
- No hydrocarbon sheens; and
- No hydrocarbon based discolouration,

has been adopted for validation of the site soils. This remedial / validation standard is considered consistent with the exclusion of soils that would be potentially classified as offensive.

Surface soils will further require to be free of asbestos impacts.

Strong hydrocarbon odours will be assessed in the first instance by qualitative descriptors provided to borelogs prepared during assessment by JBS&G and others. In practice this shall be assessed as recognition of a petroleum odour occurring at a distance of 2 m from a sample of the affected soils in an outdoor area and soils with a PID screening level below 10 ppm. Sheens and discolouration are more readily assessed.

3.5 Imported Materials

It is anticipated materials will be imported and received to the site as part of quarry rehabilitation works and/or to re-instate remedial excavations. Consistent with the requirements of the FMP (**Appendix D**), materials imported must be defined as either:

- VENM as per the *Protection of the Environment Operations Act 1997* (POEO Act); or
- be compliant with a current resource recovery order and exemption (RRO/RRE) as defined in the relevant regulations (i.e., Excavated Natural Material (ENM), tunnel spoil, recovered aggregate, etc.).

Appropriate documentation verifying the relevant classification is required to be provided to and approved by the Environmental Consultant and Project Superintendent prior to importation.

Assessment of all imported materials is required to be completed in accordance with the details outlined in the FMP (**Appendix D**). In addition to obligations to meet the definition of VENM and/or relevant RRO/RRE requirements, material to be imported to the site will also be required to meet the applicable land use criteria as summarised in **Table 3.5** following.

Table 3-5 Summary of Selected Soil Criteria (mg/kg)

Constituent	HIL D	HSL D 0 to <1 mbgs SAND	HSL D Direct Contact1	EIL Comm/Ind (generic)	ESL Comm/Ind (Coarse)	Management Limits Comm/Ind (Coarse)
Arsenic	3 000	-	-	160	-	-
Cadmium	900	-	-	-	-	-
Chromium	3 600	-	-	310	-	-
Copper	240 000	-	-	85	-	-
Lead	1 500	-	-	1 800	-	-
Mercury	730	-	-	-	-	-
Nickel	6 000	-	-	55	-	-
Zinc	400 000	-	-	110	-	-
Benzo(a)pyrene	40	-	-	-	1.4	-
Total PAHs	4 000	-	-	-	-	-
Benzene	-	3	430	-	75	-
Ethylbenzene	-	NL	27 000	-	165	-
Toluene	-	NL	99 000	-	135	-
Xylenes	-	230	81 000	-	180	-
Naphthalene	-	NL	11 000	370	-	-
F1a	-	260	26 000	-	215	700
F2b	-	NL	20 000	-	170	1 000
F3 (>C16-C34)	-	-	27 000	-	1 700	3 500
F4 (>C34-C40)	-	-	38 000	-	3 300	10 000
OCPs	Non detect adopted.					
PCBs	Non detect adopted.					
Asbestos	Non detect adopted (500mL NEPM protocol).					
per and poly-fluoroalkyl substances (PFAS)	Non detect at laboratory limit of reporting (LOR, 0.01 mg/kg) for perfluorooctanoic acid (PFOA) and Perfluorohexane sulfonic acid (PFHxS)					

Notes:

a = C6-C10 minus BTEX

b = >C10-C16 minus naphthalene

c = ESLs are of low reliability except where indicated by 'c', which indicates that the ESL is of moderate reliability

NL = Not limiting

ESL = Ecological Screening Level provided in NEPM (2013)

HSL / HIL D = Health Screening Levels (HSLs) provided in NEPM (2013) for petroleum hydrocarbons for commercial / industrial land use

Benzo(a)pyrene assessed as a TEQ for health based criteria, and as benzo(a)pyrene for ecological criteria

1. Criteria as provided to CRCCARE Technical Report No. 10 Heath Screening Levels for Petroleum Hydrocarbons in Soil and Groundwater Part 2: Application Document, September 2011, Friebel and Nadebaum

The maximum levels of each of the constituents in the imported soils / materials shall meet the criteria as nominated in **Table 3.5**.

3.6 Site Water / Liquid Discharges

In the event that remedial works require the commissioning of a Water Treatment Plant (WTP), criteria for the assessment of effluent have been provided consist of the most conservative criteria that could potentially be applied to discharges from the site / exposures in fresh water bodies in proximity of the site. This generally includes:

- Health based criteria protective of recreational exposures as typically adopted as drinking water criteria unless specific guidance exists to advise a correction based on a recreational exposure (i.e. increase by a factor of 10); and
- Ecological criteria as appropriate for fresh water and a moderately to highly disturbed ecosystem. It is noted that the ecological criteria are most appropriately applied to the conditions at the point of discharge into the receiving water body attributable to the discharge from the site.

The following criteria will also apply to additional groundwater monitoring proposed to establish site conditions and further evaluate background conditions in relation to PFAS and hydrocarbon impact identified as part of previous investigations.

The following criteria have been established as specific to the proposed remediation works and are not intended to supersede current / approved discharge monitoring requirements or criteria as stipulated under relevant site management plans and the site EPL for quarry rehabilitation works.

The criteria are summarised in **Table 3.6** following.

Table 3-6 Summary of Water / Discharge Criteria (mg/L)

Constituent	Criteria	Basis	Source / Reference
TRH (total)	5	Service station discharge	Criterion for residual hydrocarbon discharges from separators to the environment as provided to *Environmental Guidelines for Service Station Sites and Hydrocarbon Storage*, January 2014, ACT EPA (the ACT EPA Guidelines for Service Stations).
TRH C8-C10, C10-C12 and C12-C16 aromatic fraction	0.9	Recreational	Petroleum Products in Drinking Water, 2008, World Health Organisation (WHO) 2008) as increased by factor of 10 for recreational exposures
TRH C16-C21 and C21-C35 aromatic fraction	0.9	Recreational	WHO (2008) x 10
TRH C9-C10, C10-C12 and C12-C16 aliphatic fraction	3	Recreational	WHO (2008) x 10
TRH C6-C10 (F1)	0.44	Ecological	CRWB (2016)[1]. Lowest of values for gasoline (C4-C12) and diesel (C8-C21) range hydrocarbons.
TRH C10-C16 (F2)	0.44	Ecological	
TRH C16-C34 (F3)	0.64	Ecological	CRWB (2016). Value for diesel (C8-C21) mixture.
TRH C34-C40 (F4)	0.64	Ecological	CRWB (2016). Value for diesel (C8-C21) mixture. No value derived for TPH >C21 as not considered soluble; diesel value used for screening.
Benzene	0.01	Recreational	NEPC (2013) health based criteria adjusted by factor of 10.
Toluene	0.18	Ecological	ANZG (2018) 95 % species protection value
Ethylbenzene	0.08	Ecological	ANZG (2018) 95 % species protection value
Xylenes	0.2	Ecological	NEPC (2013), lowest of criteria provided for each isomer.
Naphthalene	0.016	Ecological	NEPC (2013)

Constituent	Criteria	Basis	Source / Reference
Benzo(a)pyrene (TEQ)	0.0001	Recreational	NEPC (2013) adjusted by factor of 10.
PAHs (total)	-	-	Assessed by B(a)P.
1,1,1-trichloroethane	0.27	Ecological	ANZG (2018) 95 % species protection value
1,1,2-trichloroethane	6.5	Ecological	NEPC (2013)
1,1-dichloroethane	-	-	No criteria, assessed by other co-occurring constituents
1,1-dichloroethene	0.06	Recreational	NEPC (2013)
Cis-1,2-dichloroethene	-	-	No criteria, assessed by other co-occurring constituents
Tetrachloroethene	0.05	Recreational	NEPC (2013)
Trichloroethene	0.33	Ecological	ANZG (2018)
Vinyl chloride	0.0003	Recreational	NEPC (2013)
Nitrate	29	Ecological	ANZG (2025) 95% Species Protection (hard water)
Ammonia	0.72	Ecological	ANZG (2018) 95% Species Protection (pH 7)
PFOS + PFHxS	0.002	Recreational	HEPA (2025[12]) recreational criterion
PFOS	0.00099	Ecological	HEPA (2026) 95% Protection Level
PFOS	0.0002	Ecological	HEPA (2026) 99% Protection Level
PFOA	0.01	Recreational	HEPA (2025)

Note: 1. The California Regional Water Quality Board (CRWB) 2016 screening levels are those derived for use at San Francisco Airport and the Presidio and are based on chronic aquatic toxicity tests of petrol and jet fuel mixtures. For each TPH/TRH fraction, the lowest value derived for petroleum mixtures within the fraction has been adopted. It is noted that these values are adopted by other United States jurisdictions (e.g. Hawaii Department of Health) and are comparable to the current Dutch intervention value for mineral oil (600 ug/L; VROM, 2013).

Note: 2. For PFOS consideration to the biota screening threshold of 0.0005 ug/L may be required as part of the validation assessment.

With respect to heavy metals, concentrations in groundwater assessed as part of additional groundwater characterisation works will be compared to 95% DGVs for freshwater ecosystems and relevant recreational criteria outlined by NEPC (2013) adjusted by factor of 10. Heavy metals in discharge waters will require assessment to confirm they are below the respective short term irrigation criteria stipulated by ANZECC (2000) prior to use of water for dust suppression. JBS&G note for other constituents the irrigation criteria are generally less conservative than those outlined in **Table 3-6** above. As such, the criteria in **Table 3-6** will be adopted as an initial screening tool, with reference to the irrigation criteria appropriate where initial exceedances are noted and the water proposed for re-use for dust suppression.

3.7 Validation of Open Space / Recreational Areas

As noted in **Section 1**, a minor proportion of the site is proposed to become an amenities / open space recreational area and the land use considered consistent with HIL-C (pursuant to NEPC 2013). The extent of this portion of the site is shown on **Figure 6C**. Validation of this portion of the site will therefore require demonstrating that site conditions meet the public open space criteria to enable the are to be suitable for the proposed uses. JBS&G note existing soil characterisation data do not indicate there to be remediation and/or validation activities required to address human health risks within this portion of the site, and as such validation activities will largely focus on ensuring materials placed to achieve construction levels meet the requirements of the more sensitive land use.

[12] *PFAS National Environmental Management Plan 3.0*. National Chemicals Working Group of the Heads of EPA Australia and New Zealand (HEPA 2025)

4. Previous Investigation and Results Summary

4.1 Previous Site Investigation Reports

The following relevant reports were available for review during the DSI (JBS&G 2026) and preparation of this RAP:

- *Preliminary Site Investigation Badgerys Creek.* Environmental Earth Sciences Pty Ltd, July 2014 (EES 2014a)
- *Targeted Environmental Site Assessment at 235 Martin Road Badgerys Creek, NSW.* EES, 5 December 2014, version 1 (EES 2014b)
- *Preliminary Site Investigation MOD3, 235 Martin Road, Badgerys Creek, NSW.* ZOIC Pty Ltd, February 2019 (Zoic 2019a)
- *Preliminary Site Investigation MOD4, 235 Martin Road, Badgerys Creek, NSW* – ZOIC Pty Ltd, February 2019 (Zoic 2019b)
- *Demolition / Refurbishment Hazardous Material Risk Assessment 235 Martin Road Badgerys Creek.* Greencap, February 2018 (Greencap 2018)
- *Surface Validation Assessment 260 Martin Road Badgerys Creek.* Greencap, December 2019 (Greencap 2019)
- *Hazardous Building Materials Assessment 235 Martin Road Badgerys Creek, NSW.* Environmental Resources Management (ERM), September 2021 (ERM 2021)
- Various AirSafe Clearance Certificates. January 2022 to April 2022. (AirSafe 2022[13])
- *Badgerys Creek Hardstand Asbestos Clearance Certificate.* ERM, October 2023 (ERM 2023a)
- *Inspection and Testing Plan (ITP) – Stockpiles 225 Martin Road Badgerys Creek.* ERM, May 2023 (ERM 2023b)
- *Fill Management Plan Badgerys Creek Quarry and Brick Making Project.* ERM, January 2025 (ERM 2025a)
- Badgerys Creek Pit 2 Fill Assessment Summary and associated ITPs – ERM, January 2025[14] (ERM 2025b)
- *Badgerys Creek Pit 3 Fill Assessment Summary.* ERM, January 2025 (ERM 2025c)
- *Badgerys Creek Advanced Manufacturing Hub – Annual Groundwater Monitoring Report.* ERM, November 2025 (ERM, 2025d)

A detailed review of relevant information from these reports has been presented in JBS&G (2026) and as such, the overall understanding of site conditions previously documented in the above reports has been consolidated in the following section.

4.2 Summary of Assessment - DSI (JBS&G 2026)

JBS&G (2026) presents a consolidated assessment of current site contamination conditions including review of historical assessment reports by others completed at the site. Historic sample locations are provided in **Figure 4A** to **Figure 4D**. The scope of work completed at the site has included:

[13] AirSafe *Demolition Clearence Certificate* (AirSafe, 2022) DDN: 10.03.01.01 to 10.03.01.11
[14] ERM *Badgerys Creek Pit 2 Fill Assessment Summary* (ERM, 2025b) DDN: 10.07.02 to 10.07.06

- A review of available site history and background information to identify potential AECs and associated COPC;
- Review of relevant previous environmental assessment (including contamination and hazardous materials advice) and geotechnical reports as publicly accessible or made available by the client;
- Review of the environmental setting, including topography, geology, hydrogeology, and meteorology of the site and surrounding areas;
- A detailed site inspection to identify potential AECs and confirm desktop and previous investigation findings. This was inclusive of the identification of the former factory area as an AEC;
- Development and documentation of a CSM based on the available information;
- Development of a sampling analysis and quality plan (SAQP) including data quality objectives (DQOs) and decision rules for the assessment;
- Completion of two site investigation programs, one comprising a combination of systematic and targeted soil, groundwater, and surface water sampling locations in accessible portions of the entire site and the second comprising a systematic assessment or topsoil/surface soil conditions within farmland portions of the site;
    - For the site-wide investigation, analysis of selected representative samples for a targeted range of COPCs identified through field observations and the desktop assessment;
    - For the topsoil assessment, analysis of topsoil samples at all locations for the COPCs as consistent with the existing approved FMP (ERM 2025);
- Comparison of all available data against regulator published/approved investigation criteria to facilitate an assessment of land use suitability with regard to the proposed commercial/industrial and public open space redevelopment; and
- Preparation of a report presenting the findings of the desktop and intrusive assessment.

Characterisation of site conditions as reported in JBS&G (2026) is summarised in **Table 4-1** following as specific to each COPC assessed and/or identified. Historic analytical tables are provided in **Appendix B** and borehole logs provided in **Appendix C**.

Table 4-1 Summary of JBS&G (2026) Findings and Site Characterisation

COPC	Media	Assessment / Findings
TRH	Soil	During the implementation of intrusive investigations, stained and/or odorous soil conditions were identified underlying the former factory footprint extending to the bedrock depth of 1.4 m bgl within both the fill material to 0.5 m bgl and the underlying shale to 3 m bgl. These observations were corroborated by results of laboratory analysis with TRH concentrations exceeding the adopted site assessment criteria within the fill and upper shale. TRH concentrations reported at levels below the adopted site assessment criteria were reported in deeper shale. Shallow fill materials at the former electrical transformer locations and to the east of former factory extent were identified as contaminated with TRH. It was considered likely that TRH impacts entered the subsurface via surface spills and/or leaks from pits, drains and pipework. Within the shallow but variable shale bedrock and fill material of variable composition (and therefore permeability), it was further likely that variable conditions will be encountered once the slab is demolished, with zones of contamination potentially interspersed with less/non-contaminated low-permeability clay that may have trapped areas of oil impact. JBS&G (2026) further reported that with adopting a relatively conservative set of assumptions and thereby assuming all material within the combined extent of the

COPC	Media	Assessment / Findings
		stained factory pavement in addition to the boundaries established beyond the locations where contamination impact has been identified, that the lateral extent of TRH impacted material was 7000 m^2. The interred estimate of extent is shown in **Figure 6A**. A vertical extent of typically between 1 m and 1.35 m of TRH contaminated material was further identified as requiring remediation, resulting in an approximate volume of 7000 – 10 000 m^3 of TRH contaminated material.
	Groundwater	During the groundwater sampling event completed for the previous (2025) investigation, free product oil was identified to have collected within a monitoring well installed underlying the former factory footprint, identified as likely consisting of 'engine oil'. No groundwater was identified within this monitoring well. As noted in the discussion of the TRH in soil contamination above, it is anticipated that the free oil is present within higher permeability zones of fill material, and/or within fractures and inconsistencies within the shale bedrock underlying the former factory building. The existing data-set is limited and several data gaps relating to groundwater characterisation require further assessment.
Asbestos	Soil	Asbestos on the ground surface and within near surface fill material has been identified at the site as consistent with the locations of former building/infrastructure. As such, it is inferred these impacts are associated with incomplete/improper demolition/hazardous material removal activities. It is further anticipated that given the age of the former factory, that asbestos containing infrastructure may remain in-situ underlying the remaining factory slab, present as pits, conduits, drains, etc and potentially in any areas of backfilled penetrations. **Factory Area** Detailed inspection of the site undertaken during the investigation identified ACM fragments on the ground surface comprising the area immediately to the west of the factory slab. This area is conservatively estimated to occupy a footprint of approximately 13,000 m^2 and is presented on **Figure 6A**. Assuming a surface scrape to 0.3 m bgl within the area is required, an estimated volume of approximately 5,000 m^3 of asbestos-impacted material will require remediation/management. If the asbestos impact is limited to surface debris only, the volume of asbestos-impacted material could be significantly reduced. It is noted that no friable asbestos in soil was identified in the factory footprint. **Balance of Site** Observations of ACM were also reported adjacent to a former site structure location at TP108 which will require remediation and management (**Figure 6A**). Fill material in this area was identified to approximately 0.5 m bgl, with an estimated lateral extent of impact being approximately 100 m^2. An area of uncontrolled fill located in the eastern portion of Pit 1, known as UCF4 (**Figure 6A**) has been identified as potentially impacted with asbestos. Specific assessment of conditions in this portion of the site has not been completed to date given access constraints. As a conservative measure, it has been assumed this area includes material contaminated with asbestos and containing anthropogenic inclusions (in addition to potentially other COPCs). This area has a lateral extent of approximately 1000 m^2. In addition to the above areas of impact, minor occurrences of asbestos in soil were also observed across the broader site during the topsoil assessment with detections reported by the laboratory at three locations (**Figure 4C** and **Figure 4D**): • BH160_0.0-0.1, AF/FA in soil at 0.0005 % w/w, below the adopted site assessment criteria (AF/FA 0.001 % w/w);

COPC	Media	Assessment / Findings
		• BH126_0.0-0.1, ACM in soil at 0.033 % w/w, less than the adopted site assessment criteria (0.05 % w/w); and • BH220_0.0-0.1, AF/FA in soil at 0.026 % w/w, above the adopted site AF/FA assessment criteria. BH126 was advanced within the former remediation area reportedly validated by Greencap (2019[15]) as shown on **Figure 3B**. On the basis of these results further inspection and validation of residual impacts in this portion of the site is required to confirm the validation status of the former remedial area(s).
Heavy metals	Soil	Copper, nickel and zinc concentrations were noted to exceed the adopted ecological criteria at a number of sample locations. No exceedances of health based criteria were identified. Minor exceedances of the generic EILs for zinc, nickel and copper were considered to not pose a potentially unacceptable risk to future site receptors given the commercial / industrial land use, noting the vast majority of the site will be surfaced by hardstand and that future flora within garden beds/landscaped areas will be established within suitably validated site won and/or imported growing media.
	Groundwater	All samples analysed for the listed COPCs were reported below the adopted site assessment criteria with the exception of copper in MW01 and MW102 reported some metals above the 95 % freshwater DGVs (ANZG 2018), consistent with the underlying geology and that identified across the broader site as part of previous investigations.
BTEXN	Soil and groundwater	All samples analysed for the listed COPCs were reported below the adopted site assessment criteria.
PAHs	Soil and groundwater	All samples analysed for the listed COPCs were reported below the adopted site assessment criteria.
OCPs	Soil and groundwater	All samples analysed for the listed COPCs were reported below the adopted site assessment criteria.
OPPs	Soil and groundwater	All samples analysed for the listed COPCs were reported below the adopted site assessment criteria.
PCBs	Soil and groundwater	All samples analysed for the listed COPCs were reported below the adopted site assessment criteria.
VOCs	Soil and groundwater	All samples analysed for the listed COPCs were reported below the adopted site assessment criteria.
PFAS	Soil	All samples analysed for the listed COPCs were reported below the adopted site assessment criteria.
	Groundwater	Trace PFAS concentrations were reported below the species protection guideline values (HEPA 2026[16]) and also the adopted recreational exposure criteria for human health. Targeted soil assessment in JBS&G (2026) did not identify PFAS compounds in soil at completed investigation locations. It is noted that the reported concentrations are relatively consistent within the limited well network assessed for this investigation. The very low levels of impact reported are considered likely to be consistent with regional / background levels of PFAS. Confirmation of broader site / regional conditions is required.

[15] *Surface Validation Assessment 260 Martin Road Badgerys Creek*. Greencap, December 2019 (Greencap 2019)

[16] *Australian and New Zealand Guidelines for Fresh and Marine Water Quality. Toxicant default guidelines values for aquatic ecosystem protection, Perfluorooctanoic sulfonate (PFOS) in freshwater.* Technical brief March 2026. Australian and New Zealand and Australian State and Territory Governments (ANZG 2026)

5. Conceptual Site Model

The detailed CSM as outlined by JBS&G (2026) is summarised below. The CSM has considered a range of AECs identified at the site (**Figure 5**) which have been subject to varying degrees of assessment. Considering the site is subject to active filling / characterisation activities associated with quarry rehabilitation works, the CSM has considered where information gaps exist and how these will be validated as part of rehabilitation works and/or during future remediation and/or development activities. Further review of JBS&G (2026) can be undertaken where further detail is required.

Table 5-1 Conceptual Site Model Summary

AEC	DSI (JBS&G 2026) Outcome	COPCs	Potentially Impacted/ Impacted Media	Potential for Migration	Potential Receptors
AEC1: Active Quarry/Rehabilitation Area/Quarry Offices, Carpark and Plant Storage Fill of unknown origin used to generate current site levels or otherwise stockpiled on site.	Subject to ongoing / progressive characterisation in accordance with the FMP (**Appendix D**).	Heavy metals (As, Cd, Cr, Cu, Hg, Ni, Pb, Zn), PAHs, OCPs, PCBs, TRH, BTEXN, asbestos, aesthetic impacts from anthropogenic materials	Principally soil however, groundwater and/or soil vapour may be potentially impacted depending on the nature and extent of any contamination, if present.	Unlikely however possible depending on the nature and extent of any contamination, if present.	Current site occupants, construction workers, future site users.
AEC2: Former Brick Making Factory TRH impact identified within the central portion of factory footprint. Surface asbestos identified immediately adjacent to the west of the factory slab. Potential PFAS in groundwater – possibly regional issue.	Requires remediation to resolve source TRH NAPL and associated TRH soil impacts, surface ACM fragments and anticipated ACM containing infrastructure/ potential soil contamination	TRH, asbestos, aesthetic impacts from anthropogenic materials	• Soil • Groundwater	Unlikely based on collected site data, noting proposed remediation will include removal of primary and secondary contamination sources greatly reducing the potential for migration.	Current site occupants, construction workers, future site users.

AEC	DSI (JBS&G 2026) Outcome	COPCs	Potentially Impacted/ Impacted Media	Potential for Migration	Potential Receptors
AEC3: Tile Storage and Distribution Centre Fill of unknown origin to generate site level.	Subject to ongoing / progressive characterisation in accordance with the FMP (**Appendix D**).	Heavy metals, PAHs, OCPs, PCBs, TRH, BTEXN, asbestos, aesthetic impacts from anthropogenic materials	• Soil • Groundwater • Soil Vapour	Requires assessment to confirm conditions.	Current site occupants, construction workers, future site users.
AEC4: Former Farm Structures *Including dwellings and stock yard areas* Potential impacts as a result of improper and/or incomplete demolition of former farm structures. Fill of unknown origin used to generate level development pad.	Fill of unknown origin which may be present in proximity to and/or underlying hardstand associated with former agricultural uses and/or which may have been impacted by hazardous material fall out will require assessment in accordance with the FMP as part of future bulk earthworks. Validation is required for these areas / material to confirm suitability under the proposed development plan.	Principally asbestos however potential for heavy metals, PAHs, OCPs, PCBs, TRH, BTEXN, and aesthetic impacts from anthropogenic materials	• Soil	Unlikely based on collected site data, but requires further assessment to confirm conditions	Current site occupants, construction workers, future site users.
AEC5: Fill Area '19' Fill of unknown origin	Subject to ongoing / progressive characterisation in accordance with the FMP (**Appendix D**).	Heavy metals, PAHs, OCPs, PCBs, TRH, BTEXN, asbestos, aesthetic impacts from anthropogenic materials	• Soil • Groundwater • Soil Vapour	Requires assessment to confirm conditions.	Current site occupants, construction workers, future site users, potential ecological receptors given proximity to riparian zone.
AEC6: On-site sewer treatment infrastructure Including 2 in-ground digesters and an associated spray	Soil microbial assessment may be required (**Section D**). Conservatively, groundwater conditions across the site are	PFAS, nutrients (nitrogen, phosphorus-based compounds) and biological contaminants (total coliforms, E.coli, etc)	• Soil • Groundwater	Microbial assessment is required to confirm site conditions and close out data gap pending the nature of development in this area.	Construction workers should excavations encounter perched groundwater. Off-site flora/fauna within ecological

AEC	DSI (JBS&G 2026) Outcome	COPCs	Potentially Impacted/ Impacted Media	Potential for Migration	Potential Receptors
irrigation area for effluent discharge	considered a data gap (**Section 6**) and further assessment is required to confirm regional water quality.			Requires confirmation of groundwater conditions present at the site to confirm regional/local conditions.	receptors (e.g., Badgerys and Wianamatta-South Creek)
AEC7: Farm Dams and Drainage Channels Potential impacts associated with run-off from farm areas subject to herbicide and pesticide spraying and subsequent concentration of contaminants within dam/drainage channel sediments, and to a lesser degree, surface water.	Silts / sediments will be subject to ongoing / progressive characterisation in accordance with the FMP. Dewatering of dams will be conducted in accordance with the site stormwater management plan (SWMP).	Heavy metals, OCPs, TRH, PFAS, nutrients (nitrogen, phosphorus-based compounds) and biological contaminants (total coliforms, E.coli, etc).	• Surface water • Sediment	Requires assessment to confirm conditions.	Current site occupants, construction workers, future site users. Off-site flora/fauna within ecological receptors (e.g., Badgerys and Wianamatta-South Creek) as a result of contaminant migration.
AEC8: Internal Access Roads Fill of unknown origin for the construction of internal roads.	Subject to ongoing / progressive characterisation in accordance with the FMP (**Appendix D**).	Heavy metals, PAHs, OCPs, TRH, BTEXN, asbestos, aesthetic impacts from anthropogenic materials	• Soil	Requires assessment to confirm conditions.	Current site occupants, construction workers, future site users.
AEC9: Stockpiles Generated from Quarrying Activities Includes quarried material, imported material and site-won material (for stockpiles acting as quarry bunds).	Subject to ongoing / progressive characterisation in accordance with the FMP (**Appendix D**).	COPCs as outlined in the ERM FMP (2025a): • Heavy metals, TRHs, BTEXN, PAHs, PCBs, OCPs, and asbestos • Aesthetic consideration of anthropogenic materials	• Soil	Requires assessment to confirm conditions.	Current site occupants, construction workers, future site users.

AEC	DSI (JBS&G 2026) Outcome	COPCs	Potentially Impacted/ Impacted Media	Potential for Migration	Potential Receptors
AEC10: Topsoil Across Farmland Areas Potential impacts from former agricultural activities. Note that the client is considering using farmland topsoil to blend with other materials for the rehabilitation of the quarry area.	The nature and extent of minor asbestos impact requires confirmation and is considered a data gap (**Section 6**). Where asbestos exceeds the adopted health criteria remediation and/or management is required.	COPCs as outlined in the ERM FMP (2025a): • Heavy metals, TRHs, BTEXN, PAHs, PCBs, OCPs, and asbestos • Aesthetic consideration of anthropogenic materials	• Soil	Unlikely given the grass cover limiting the generation of wind-blown dust.	Current site occupants, construction workers, future site users.
AEC11: Fill area within the Eastern Portion of Pit 1 (identified by Mulgoa Quarries as 'UCF 4') Uncontrolled fill of unknown origin	The nature and extent of contamination associated with AEC11/UCF 4 is considered a data gap (**Section 6**).	COPCs as outlined in the ERM FMP (2025a): • Heavy metals, TRHs, BTEXN, PAHs, PCBs, OCPs, and asbestos • Aesthetic consideration of anthropogenic materials	• Soil	Considered unlikely given the grass cover limiting the generation of wind-blown dust.	Current site occupants, construction workers, future site users.

6. Data Gaps

Based on JBS&G (2026), the following data gaps have been identified as summarised in **Table 6-1** below.

Table 6-1 Summary of Data Gaps

Location	COPC / historic results	DSI (2026) AEC / comment	Figure
Quarry rehabilitation area[1]	Uncontrolled fill with the potential for impacts associated with site COPCs (heavy metals, PAH, OCP/PCB, TRH/BTEXN, asbestos)	AEC1- fill of unknown origin (as stockpiles and/or in-situ uncontrolled fill). AEC5 – Fill Area 19. AEC8 – internal access roads / existing site structure footprints (fill of unknown origin). AEC9 – stockpiles and insitu uncontrolled fill associated with quarrying activities. AEC11/UCF 4 – refer to comments below Fill material will require characterisation to establish suitability of the material for beneficial reuse.	**Figure 5**
Former Brick Making Factory Footprint	TRH in soil and seepage water. Asbestos in surface soil	AEC 2 / AEC 3 – requires remediation taking an inside out approach to remove TRH impacted soil and seepage waters. The nature and extent of TRH and asbestos will be the subject of further characterisation to assist in remediation planning.	**Figure 5**
BH108 / Former Farm Structures[1]	Known ACM in soil and potential additional asbestos / fill of unknown origin	AEC4 – fill of unknown origin which may be present in proximity to and/or underlying hardstand associated with former agricultural uses. The extent of asbestos impacted fill will be require delineation prior to/during remedial works.	**Figure 5** and **Figure 6A**
Site wide	PFAS in groundwater, no on-site source in soil identified (based on limited but targeted sampling and analysis).	AEC6 – previous groundwater assessment has been limited to areas of highest risk. As such, further site wide characterisation required to assess broad / regional conditions and verify assumptions with regard to PFAS.	**Figure 6D** presents monitoring wells proposed for sampling.
Sewer infrastructure	PFAS / nutrients / biological / heavy metals / PAHs	AEC6 –characterisation of soils required prior to/following removal of infrastructure to verify absence of associated impacts.	**Figure 5**

Farm dam water and sediments[1]	Potential contamination (Heavy metals, OCPs, TRH, PFAS, nutrients (nitrogen, phosphorus-based compounds) and biological contaminants (total coliforms, E.coli, etc)).	AEC7 – sediments require characterisation in accordance with the FMP. Surface waters require management in accordance with the site Dam Dewatering Plan (SLR 2026[17]). Additional characterisation required to address COPC.	**Figure 3A, 3B** and **Figure 5**
Proximity to BH126_0.0-0.1	ACM in soil at 0.033 % w/w	AEC10 – former flytipping impact area the subject of GreenCap (2019) validation advice. Potential for residual impact in other former remediation footprints requiring further investigation.	**Figure 3B** and **Figure 5** (areas B, C, D, E)
Proximity to BH160_0.0-0.1	AF/FA in soil at 0.0005 % w/w	AEC10 – trace asbestos in soil reported during topsoil characterisation works, source / extent of potential impact requires further delineation.	**Figure 4C** and **Figure 5** (area A)
Proximity to BH220_0.0-0.1	AF/FA in soil at 0.026 % w/w	AEC10 – friable asbestos exceedance identified during topsoil characteristaion works, will require remediation / management. Source / extent of impact equires further delineation.	**Figure 4D** and **Figure 5** (area F)
UCF4[1]	Potential asbestos / fill of unknown origin	AEC11 – uncontrolled backfill/stockpile at east of Pit 1 requires characterisation for COPC, noting historical observation of asbestos impacts.	**Figure 5** and **Figure 6A**

[1] Ongoing characterisation of fill materials including those associated with quarry rehabilitation works will be undertaken in accordance with the site FMP, **Appendix D**.

[17] *Dam Dewatering Plan, Project Maveric. Goodman Property Services (Aust) Pty Ltd*. SLR Consulting Australia Pty Ltd doc ref 625.010786.00001 rev v0.1 dated 4 February 2026 (SLR 2026)

7. Remedial Options Assessment

Based on the historical investigation results (**Section 4**), contaminants on the site comprise primarily ground surface asbestos/ asbestos impacted soils at various locations and TRH impacted soils and seepage water present within the former Factory Footprint. As such, a remedial options assessment has been undertaken to identify the preferred remedial options for each contaminant issue identified as present on the site.

As noted in **Table 6-1** ongoing fill characterisation associated with quarry rehabilitation works will be completed in accordance with the site FMP (**Appendix D**). In the event that material is not identified as suitable for beneficial reuse in accordance with the FMP, the Unexpected Finds Protocol (**Section 8.23.1**) will be enacted to further assess the identified material and support confirmation of appropriate remedial/ management requirements. In lieu of current information, it is anticipated that should COPCs be further identified as consistent with those in **Tables 7-1** and **7-2**, the decision making guidance provided herein will remain valid. In the event of different/additional COPCs, the UFP process may require a specific remedial options assessment (potentially via implementation of a RAP addenda or standalone UFP or similar) in consultation with the appointed site auditor. Notwithstanding, it is anticipated that any further unexpected impacts beyond TRH and asbestos will be relatively isolated and could be appropriately managed through controlled excavation and off-site disposal.

7.1 Remediation Objectives

The remediation objectives are outlined as follows:

- Removal of potentially unacceptable risks to human health and/or site ecological receptors from TRH impacted soils such that the site is suitable for the proposed use;
- Removal of potentially unacceptable risks to human health from asbestos impacted soils such that the site is suitable for the proposed use;
- Validation of the remedial works in accordance with relevant NSW EPA Guidelines and with reference to the adopted site criteria; and
- Documentation of the validation process such that defensible conclusions may be presented confirming the suitability of the site for the proposed commercial/industrial land use scenario.

7.2 Guidelines and Legislation

This RAP has been prepared with reference to the following guidelines and legislation:

- *State Environmental Planning Policy (Resilience and Hazards) 2021* (SEPP R&H 2021) under the *Environmental Planning and Assessment Act 1979*;
- *Managing Land Contamination, Planning Guidelines, SEPP 55 – Remediation of Land*. Department of Urban Affairs and Planning. NSW Environment Protection Authority (DUAP 1998);
- *Consultants Reporting on Contaminated Land Contaminated Land Guidelines*, NSW Environment Protection Authority, EPA, April 2020, updated 5 May 2020 (EPA 2020);
- *Sampling Design Part 1 – Application, 2022, NSW EPA and Sampling Design Part 2 – Interpretation*, 2022, NSW EPA, together EPA (2022);
- *Contaminated Land Management Guidelines for the NSW Site Auditor Scheme (3rd edition)*, EPA, October 2017 (EPA 2017);
- *National Environment Protection (Assessment of Site Contamination) Measure*, 1999 (as amended 2013), National Environment Protection Council (NEPC 2013); and

- *Work Health and Safety Act 2011* and *Work Health and Safety Regulation 2017* and associated Safe Work Australia guidance specific to asbestos.

7.3 Assessment of Remedial Options

The preferred hierarchy of options for remediation (clean up) and/or management adopted by NSW EPA has been established within the NEPC (2013) Assessment of Site Contamination Policy Framework as follows:

- On-site treatment so that the contaminant is either destroyed or the associated risk is reduced to an acceptable level; and
- Off-site treatment so that the contaminant is either destroyed or the associated hazard is reduced to an acceptable level, after which the soil is returned to the site; or

If the above options are not practicable:

- Consolidation and isolation of the contaminant on site by containment with a properly designed barrier;
- Removal of contaminated material to an approved site or facility, followed, where necessary, by replacement with appropriate material; or
- Where the assessment indicates remediation would have no net environmental benefit or would have a net adverse environmental effect, implementation of an appropriate management strategy.

In addition, when deciding which option to choose, consideration is also required to be given to the sustainability (environmental, economic and social) aspects of each option to ensure an appropriate balance between the benefits and effects of undertaking remedial/management options.

In cases where no readily available or economically feasible method is available for remediation, it may be possibly to adopt appropriate regulatory controls or develop other forms of remediation.

Consideration of each of the approaches (EPA 2017), is presented in **Table 7-1** as specific to petroleum hydrocarbons and **Table 7-2** as specific to asbestos impacts.

Table 7-1 Remedial Options Screening Matrix – Petroleum Hydrocarbon Impacts

Remedial Option	Applicability	Assessment
1. On-site treatment so that the contaminants are either destroyed or the associated hazards are reduced to an acceptable level.	Soils Hydrocarbon impacts in soils can be addressed by bioremediation / landfarming of the impacted soils. There is sufficient space on site (and potentially time within the development program) to address the anticipated volume of petroleum hydrocarbon impacted soils and the opportunity for beneficial reuse of the treated material. Seepage Water An area of perched / seepage water affected by TRH identified as LNAPL has been identified as warranting remediation. The impacted seepage water and associated impacted soils will be able to be removed from the ground by dewatering of existing below ground infrastructure, including the relevant monitoring well, or alternatively via excavation. Excavated soils can be dealt with by bioremediation as discussed above. Where significant recharge of TRH impacted seepage water to the excavation occurs, dewatering and transfer to a water treatment plant as available on-site will be	The preferred option

Remedial Option	Applicability	Assessment
	able to be undertaken to enable removal of petroleum hydrocarbons from site water. Treated water can be re-used on-site for dust-suppression / environmental controls.	
2. Off-site treatment so that the contaminants are either destroyed or the associated hazards are reduced to an acceptable level, after which the soil is returned to the site.	Soils Hydrocarbon impacts in soils can be addressed by bioremediation / landfarming of the impacted soils. However, an off-site facility is not readily available in proximity of the site which holds appropriate licenses / permits to undertake the treatment. The nearest such facility is located at Cootamundra. Seepage Water Treatment facilities are similarly available off-site which can treat the TRH impacted groundwater that is present as perched water. Liquid waste tankers would be used to complete dewatering and associated recovery of the impacted seepage/groundwater following which the dewater would be transported to an off-site, appropriately licensed, liquid waste treatment plant. This option may be considered should the volume of water be minimal and/or no continual seepage / re-infiltration of excavations with impacted water occurs. If substantial volumes or continual recharge is identified, this is the preferred option as the treatment can be readily undertaken on-site using a WTP, if required. This avoids the potential generation of substantial external vehicle movements that would otherwise occur with liquid waste tankers being used to dewater the site. Upon treatment the water could then be beneficially reused on site during earthworks activities for dust suppression.	Not a preferred option.
3. On-site in-situ management of the contaminant by capping and cover, and ongoing management.	Soils TRH impacted soils have been identified to be associated with historical infrastructure (sumps/pits) some of which have been identified to contain free oil / NAPL. Under the development scenario infrastructure requires removal, which will result in removal of primary contamination sources. Removal of secondary contamination sources (i.e., TRH impacted soils) is required to reduce the potential for secondary contamination to continue to impact shallow seepage waters and/or present a potential risk of migration to deeper groundwater. Further, the development portion where the contamination has been identified requires to be un-encumbered by ongoing environmental management obligations and as such capping and containing the contamination is not a preferred option. Seepage Water As noted in the discussion of the previous option, liquid waste tankers could be mobilised to site to dewater the impacted groundwater/seepage for off-site treatment followed by off-site disposal. This is not a preferred approach given the heavy vehicle movements that will	Not preferred.

Remedial Option	Applicability	Assessment
	be generated via this option (if continued ingress of impacted water occurs and/or substantial volumes requiring removal are identified). This approach would be appropriate as a contingency, where only limited volumes of liquid were expected and/or where the preferred on-site treatment approach is unavailable or cannot achieve water quality objectives in a cost effective/timely manner.	
4. Excavation and off-site removal of the impacted material.	<u>Soils</u> There are currently suitably licensed waste facilities in the Sydney Metropolitan region capable of accepting TRH contaminated soils. Offsite disposal of impacted soils is likely the fastest method of remediation, but also would result in additional vehicle movement and project costs when compared to the on-site treatment option. Further, given the project fill requirements, replacement of the generated waste volume with suitable imported material would be required. As such, application of this option should be limited to excess material that cannot be addressed by treatment onsite. This option also generates the highest quantity of waste, since the materials are disposed to landfill rather than retained on site. Off-site disposal is considered a potential option for highly impacted petroleum hydrocarbon contaminated soils, but not preferred given the above considerations. <u>Seepage Water</u> There are currently no complete exposure pathways to the TRH impacted seepage water. Based upon the development scenario, potential exposures could only occur through future extraction / beneficial use of groundwater and/or construction of future excavations as associated construction of future development works (services installation, etc). The remediation to address the LNAPL impact is being undertaken in response to regulatory requirements. Following these works any remaining dissolved hydrocarbons in groundwater can be retained and managed on-site under the development land use scenario. As a worst case, site management documentation will be required to nominate that groundwater in proximity to this portion of the site is unsuitable for extraction / beneficial re-use (noting that given the shale geology, it is unlikely that shallow groundwater resources would be suitable in any event given anticipated salinity conditions).	A suitable option. However adopted as a contingency only as not consistent with project sustainability objectives.

Table 7-2 Remedial Options Screening Matrix – Asbestos Impacts

Remedial Option	Applicability	Assessment
1. On-site treatment so that the contaminants are either destroyed or the associated hazards are reduced to an acceptable level.	An area of widespread bonded ACM impacted surface soils has been identified within the former factory footprint, in addition to potential impacts within a substantial volume of stockpiled material (UCF 4) and other minor / isolated occurrences across the site as associated with historical site buildings/activities. Bonded ACM can be removed from impacted soils by hand-picking (emu-picking). Hand picking of ACM within fill material is labour intensive and can be costly and time consuming. The success of the remediation method is highly dependent upon the soil type and the amount of other building rubble present within the fill, and also on the adopted validation criterion. The more clayey the soil, or the more building rubble present, the harder it is to remove all ACM. Fill materials at the site are known to be clayey in nature, and this may inhibit the treatment process. In some occurrences, the co-location of asbestos as AF/FA precludes the potential to be able to treat soils to remove ACM (if / where present) to a standard suitable for beneficial reuse without ongoing management under a long term management plan (LTEMP).	A suitable option for bonded ACM impact that may be used in conjunction with Option 3 below. Not a suitable option for friable (AF/FA) asbestos impact.
2. Off-site treatment so that the contaminants are either destroyed or the associated hazards are reduced to an acceptable level, after which the soil is returned to the site.	There are no known licensed / approved facilities that are able to receive and treat asbestos impacted soils.	Not applicable.
3. On-site in-situ management of the contaminant by capping and cover, and ongoing management.	Onsite containment is a suitable remedial option for areas where ACM impact is present above a threshold that renders it commercially unviable to remediate for onsite reuse. This may be due to an inability to effectively remove non-friable ACM due to soil type and building rubble concentration, or otherwise clay based soils being unsuitable for ACM picking. Further, where material is contaminated with asbestos as AF/FA, this is considered a suitable remedial option. The amount of material able to be contained onsite will be dependent upon final design levels and the total volumes of contaminated fill materials identified as present on site during application of the RAP/FMP. On-site containment of impacted materials is in accordance with guiding principles of ESD and the *Waste Avoidance and Resource Recovery Act 2001* (WARR Act 2001, i.e. waste minimisation). The retention of asbestos impacted soils will require to preclude direct contact to the soils. It is noted that where burial of the asbestos contaminated soil occurs at greater than 3 m below final finished development levels, it can be reasonably considered that the soils have been placed at a depth below where a reasonable potential future	Preferred Option for AF/FA contaminated soil and possible option for addressing ACM in soil where on-site treatment is not suitable.

Remedial Option	Applicability	Assessment
	exposure would occur (on the basis of the discussion to Section 2.2 of Schedule B2 to NEPC 2013 which nominated 3 m as the maximum anticipated extent of human exposure to soils). Noting the likely small quantity of asbestos contaminated soils on the site (compared to the overall earthworks program), and the availability of a deep excavation as will occur with reinstatement of quarry voids, the remediation of petroleum hydrocarbon impacted groundwater and other earthworks at the site, the retention of asbestos contaminated material at depth is a preferred remedial approach for the site.	
4. Excavation and off-site removal of the impacted material.	Offsite disposal is a suitable remedial option for areas where ACM impact is present above a threshold that renders it commercially unviable to remediate for onsite reuse. This may be due to an inability to effectively remove bonded ACM due to soil type and building rubble concentration, or otherwise a volumes insufficient to warrant an on-site containment / management approach with associated temporary storage, cell excavation, future site impairment and LTEMP implementation/compliance costs. This option is also further considered with the ecologically sustainable development (ESD) and waste minimisation objectives of the project. As discussed for the petroleum based site contaminants, this option generates the highest quantity of waste, since the materials are disposed to landfill rather than retained on site. This option also generates additional truck movements and associated fuel/emissions over Option 3. Each of these impacts is not consistent with the ESD / waste minimisation requirements for the site. As discussed for the petroleum based contaminants, it is preferred to adopt this approach as a contingency only, with adoption only where the preferred approach is non-viable.	A suitable option. However, adopted as a contingency only as not consistent with sustainability objectives.

7.4 Preferred Remedial Approach

On the basis of the matrix the following preferred remedial options have been selected:

- Removal of on-site infrastructure within the factory footprint including delineation of drainage lines/pits considered to be primary sources of subsurface TRH impacted soil and removal of any impacted water and/or free oil(s) where identified;
- On-site treatment to remove TRH from impacted soils by bioremediation;
- On-site treatment to address petroleum hydrocarbon impacted soils causing impacted seepage water within fill horizons/below ground infrastructure backfill and natural clay/shale is the preferred option. As appropriate based upon identified volumes of seepage water, a water treatment plant to address any seepage inflow to excavations may also be required to complete treatment works; and

- On-site long term containment of asbestos contaminated soils via construction of a containment cell/capping profile and/or physical removal of bonded ACM by emu picking to minimise the volume of material which may require containment (where deemed appropriate).
    - Containment of asbestos contaminated soils (i.e., asbestos in soil concentrations exceeding the adopted health based site criteria) in portions of the site will result in the application of long term environmental management obligations to these portions.

7.5 Assessment of Bioremediation

Best Practice Note: Landfarming, April 2014, NSW EPA (EPA 2014) has been issued by the NSW EPA to control the bioremediation of hydrocarbon impacted soils. NSW EPA (2014) nominates several factors that affect the potential suitability of contaminants and soils to be remediated by bioremediation (referred to as landfarming in the guideline). Each of the factors has been assessed for the site in **Table 7-3** as applicable to the preferred remedial approach of bioremediation of soils to remove petroleum hydrocarbons.

Table 7-3 Assessment of Factors Affecting Bioremediation / Landfarming Suitability

EPA (2014) Factor	Assessment
Contaminant types	Landfarming is nominated as a suitable treatment method for petroleum hydrocarbons in soils. Biodegradation is nominated as causing the reduction of petroleum hydrocarbons in landfarmed soils.
Contaminant concentrations	A screening criteria of 8 % total petroleum hydrocarbon concentrations (80 000 mg/kg) is a nominated screening for suitability of soils for landfarming. The maximum levels of petroleum hydrocarbons in soils on the site are anticipated to be well below this level – noting that the impact is related to historical contaminating activities associated with the brick making factory that ceased operations greater than 15 years prior and was decommissioned and demolished approximately 5 years ago. It is noted that petroleum hydrocarbon impacted soils are potentially malodorous, and where potentially offensive odours are detected at the site boundary, then air emissions management will be required for the soils.
Volume of contaminated soils	Potentially large volumes of soils will require bioremediation. However, the volume of soils should be considered as relative to the overall area of the site. To this extent the site area is substantial. The extent of earthworks as required with the formation of landfarming / biopile areas for bioremediation is noted to be insignificant in comparison to the extent of earthworks that will be undertaken to prepare the site for the proposed future commercial / industrial development.
Site area	As noted in the previous response, the site area is substantial and extensive area for the construction of bioremediation areas is available. The site is significantly larger than the 0.5 hectare threshold nominated in EPA (2014).
Local geology	An excellent understanding of the local geology is available for the site through the extensive investigations undertaken by JBS&G and historical quarrying records for the site. It is noted that impacted soils will potentially consist of silty clay, clay and potentially weathered shale horizons in addition to granular material (sand and gravel) typically used for backfilling of below ground infrastructure. Test excavations have been recently completed on the site. The hard clay and weathered rock have been observed to readily break down / 'powderise' on excavation. As such, it is highly likely that formation within a bioremediation area will cause soil surfaces to be amenable to bioremediation. The excavated material, in particular the clay/shale will be required to be spread and disaggregated to allow the same exposure of soil particle surfaces. It is noted that these works are required regardless to facilitate the assessment of these soils for the presence of asbestos.

EPA (2014) Factor	Assessment
	Soils on the site are relatively non-permeable, and there is considered to be no basis for the inclusion of liners underlying bioremediation areas. Notwithstanding it is likely that significant areas of site pavement will be available to facilitate the bioremediation of the most impacted soils if this is deemed to be required to manage potential environmental emissions. Should bioremediation occur atop unsealed portion(s) of the site, underlying soils will require validation following removal as outlined in **Section 9.6**.
Hydrogeology	Groundwater underlying the former factory portion of the site is not considered to be potentially vulnerable given its location with shallow shale bedrock formations remote from the surface water receptors in proximity of the site boundaries. Groundwater is located at a significant depth and underlying generally impermeable clay based soils.
Meteorology	The Sydney area has a humid to temperate climate with a seasonal rainfall maximum during the summer and autumn months. The average rainfall for Badgerys Creek meteorology station[18] is 730 mm, with rainfall greater than 1 mm occurring on an average of 70 days per year. Monthly average rainfall varies from 33.1 mm in July to 106.7 mm in February, with the wettest periods occurring on average in January through to March. The Sydney region has a history of droughts, which are broken by periods of heavy rainfall resulting in significant recharges to groundwater resources. The 1940s and 1980s and the preceding decade are observed to be dry periods, while the early 1970s and 1990s, and recent weather conditions are characterised as wet periods. Summer winds are north-easterly with southerly thunderstorms common. Winter winds are westerly. Previous bioremediation works on 100s of sites in the Sydney region have found that meteorological conditions of Sydney are amenable to the bioremediation of hydrocarbon impacted soils.
Distance to sensitive receptors	The nearest residential receptors are located a substantial distance from the site. Existing rural-residential and/or commercial uses are generally located in proximity of the site. This is inclusive of historical odour generating industries (i.e. poultry farming). The site is bound to the east by Wianamatta-South Creek beyond which are rural residential properties within the suburb of Kemps Creek. The site is bound to the west by the Badgerys Creek riparian zone, beyond which is the Western Sydney Airport development site. However, the overall site boundaries are a substantial distance from the portion of the site described as the former factory, which is also substantially elevated when compared to the riparian zones associated with these two creeks at the site margins. Given the distance of the former factory area to the surrounding site boundaries, it is envisaged that bioremediation activities should be restricted to areas in close proximity to the existing former factory footprint and associated product yard to the east, given these areas of the site are furthest from any potentially sensitive receptors beyond the site boundary.
Time	EPA (2014) reports that timeframes associated with bioremediation will potentially vary. Provision has been made in the RAP for remedial timeframes to be between one and six months. Where bioremediation cannot be achieved in these timeframes, contingency actions are available to allow the soils to be disposed off-site.
Cost	EPA (2014) notes that landfarming should not be considered a cheap remedial option and costs may become prohibitive to undertake landfarming properly. To this extent, it is considered that the cost to undertake landfarming is typically a function of the site area available to undertake the landfarming works and the resources required to control

[18] http://www.bom.gov.au/climate/averages/tables/cw_067108.shtml, Commonwealth of Australia, 2013 Bureau of Meteorology, accessed on 2 January 2025

EPA (2014) Factor	Assessment
	environmental emissions from the works. A substantial site area is available on the former factory and wider former quarry site, in a location that is not in close proximity to potentially sensitive receptors. Landfarming / bioremediation will be a cost effective option for the site when compared to alternative remedial options as evaluated in **Table 7-1**.

8. Remedial Action Plan

The proposed implementation of the preferred remedial approaches are described in the following sections.

8.1 Pre-Remediation Investigation

8.1.1 Asbestos Impact Delineation

The following additional investigation / characterisation assessment(s) are proposed to address identified data gaps in relation to identified asbestos impacted soils at the site. The proposed sampling program has considered the sampling and analytical framework presented in **Section 9.10** in addition to the likelihood of the presence of asbestos impacts, consistent with DOH (2009[19]).

Table 8-1: Proposed Additional Delineation Assessment

Location / COPC / Comment	Area/Volume	Proposed Investigation Scope	Proposed sampling / analysis
Former Greencap validation areas (BH126_0.0-0.1) – trace bonded ACM. Additional assessment required to confirm validation objectives (i.e., asbestos concentrations at all locations are less than the site criteria)	**Figure 5 -** Area B (2,000m^2), Area C (880 m^2), Area D (535 m^2), Area E (5,775 m^2)	1 x EPA (2022) sampling grid (asbestos suspected) in accordance with NEPC (2013) and DOH (2009). Area B – 8 locations Area C – 8 locations Area D – 8 locations Area E – 15 locations	Visual field asbestos quantification of topsoil/fill at each location. Laboratory analysis (500mL NEPM) of <7mm fines where visual ACM is identified in the field AQ and sufficient samples submitted for analysis to achieve the FMP rate of 1/1000 m3 (irrespective of visual ACM identification).
BH160_0.0-0.1 – trace AF/FA Nature and extent of impact unknown	**Figure 5** - Area F (1,250 m^2)	2 x EPA (2022) sampling grid (asbestos found) in accordance with NEPC (2013) and DOH (2009). 16 grid-based locations	Visual field asbestos quantification of topsoil/fill at each location and analysis (500mL NEPM) of <7mm fines at each sample location.
BH220_0.0-0.1 – AF/FA exceeding health criterion Nature and extent of impact unknown	**Figure 5** – Area F (1,250 m^2)	2 x EPA (2022) sampling grid (asbestos found) in accordance with NEPC (2013) and DOH (2009). 16 grid-based locations	Visual field asbestos quantification of topsoil/fill at each location and analysis (500mL NEPM) of <7mm fines at each sample location.
UFX4 Material composition unknown.	**Figure 6A** – stockpile volume (137,500 m^3),	1 x EPA sampling grid across the stockpile footprint (asbestos suspected) in accordance with	Visual field asbestos quantification of fill at each location through the stockpile (every 1 m

[19] *Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites*. Western Australia Department of Health, 2009 (DOH 2009)

Location / COPC / Comment	Area/Volume	Proposed Investigation Scope	Proposed sampling / analysis
	stockpile footprint ~ 7,430 m^2	NEPC(2013) and DOH (2009). Visual field quantification. 19 grid-based locations[20] Where asbestos is confirmed to be present within the stockpile, the asbestos UFP outlined in the FMP (**Appendix D**) will be implemented to guide additional sampling requirements (as may be required) to quantify the asbestos.	interval or change in lithology). Laboratory analysis (500mL NEPM) of <7mm fines where visual ACM is identified in the field AQ and sufficient samples submitted for analysis to achieve the FMP rate of 1/1000 m3 (irrespective of visual ACM identification) Chemical assessment in accordance with the FMP (**Appendix D**)
Former agricultural buildings (potential for ACM impact)	**Figure 5**	Excavation of asbestos impact at TP108 on an inside out approach. Inspection following demolition and assessment of fill materials of unknown origin within other areas in accordance with the FMP. Additional assessment will be required in accordance with the FMP Unexpected Finds Protocol (UFP) if ACM is identified.	

Delineation and further investigation may occur concurrent to validation assessment (i.e., validation data will confirm the extent of impact requiring remediation and/or management), further discussed in **Section 9**.

8.1.2 Additional Groundwater Assessment

Previous investigations completed by JBS&G were limited in scope, including collection of groundwater at three locations within / in proximity to the former factory footprint. Additional existing monitoring wells are present across the site (**Figure 6D**), however these were previously inaccessible for sampling. As such, an additional assessment of existing site monitoring wells is proposed to address this data gap and support site characterisation conclusions.

Review of an annual groundwater monitoring report prepared by ERM (2025[21]) provided to JBS&G following completion of the DSI scope of works has identified substantial groundwater monitoring data for the existing broadly spaced site wells (as shown in **Figure 6D**), which comprise wells targeting both the deep and shallow aquifers. The reported construction of monitoring wells installed by others (ERM and Arcadis) are summarised in **Table 18** below.

Table 2 Summary of Existing Groundwater Well Network

Well ID	Installed Unit	Total Depth (mbgs)	Screen Interval (mbgs)	Accessible/Serviceable?
MW1	Deep Bedrock	31	25 – 31	Yes

[20] The stockpile height may require consideration and the works staged as appropriate to address machine reach and safety obligations whilst ensuring assessment is conducted through the entire profile of the stockpile as per EPA (2022).

[21] *Badgerys Creek Advanced Manufacturing Hub – Annual Groundwater Monitoring Report*. Prepared by ERM International Group Ltd doc ref 0606483_S011531 dated 28 November 2025 (ERM 2025)

Well ID	Installed Unit	Total Depth (mbgs)	Screen Interval (mbgs)	Accessible/Serviceable?
MW2	Unknown at time of reporting	Unknown at time of reporting	Unknown at time of reporting	Lost
MW3a/3b/3c	Unknown at time of reporting	Unknown at time of reporting	Unknown at time of reporting	Lost
MW4	Deep Bedrock	28	22 – 28	Yes
MW6	Deep Bedrock	33	unknown	Lost
MW01	Unknown at time of reporting	Unknown at time of reporting	Unknown at time of reporting	Yes
MW04	Unknown at time of reporting	Unknown at time of reporting	Unknown at time of reporting	Yes
BW1	Shallow alluvial	8	5 – 8	Yes
BW2a	Shallow alluvial	8	5-8	Yes
BW2b	Deep Bedrock	33	27-33	Yes
BW4a	Shallow alluvial	6	3 – 6	Yes
BW4b	Deep Bedrock	33	27 – 33	Yes
BW5a	Shallow alluvial	7	4 – 7	Yes
BW5b	Deep Bedrock	33	27 – 33	Yes
BH01	Shallow clay and shale	5.8	1.0 - 5.8	Yes
BH02	Shallow clay and silt	6.6	1.0 - 6.5	Yes
BH03	Shallow shale	9.1	2.3 - 9.0	Yes
BH04	Shallow clay and shale	5.5	1.0 - 5.4	Yes
BH05	Shallow shale	6.3	3.0 - 6.3	Yes
BH06	Shallow clay and shale	6.1	1.0 - 6.0	Yes
BH07	Shallow fill	6.5	1.0 - 6.5	Yes
BH08	Shallow clay and shale	5	0.5 - 5.0	Yes
BH09	Shallow alluvial	5.0	1-5.1	Yes

The well construction logs indicate that accessible wells proposed to be sampled (**Figure 6D**) will allow for assessment of shallow and deep groundwater which is expected to be generally comparable (i.e., same groundwater sources) and sufficient to address data gaps identified in the DSI with respect to regional groundwater conditions and potential contamination sources in proximity to the former factory footprint. It is noted several wells are nested (i.e., shallow and deep adjacent). JBS&G note the construction of most Arcadis wells (BH series) extend across the natural clay and shale rock interface and can be broadly considered appropriate for screening the quality of shallow groundwater across the site.

Review of available data indicates accessible wells have been sampled on a regular basis since 2018 to comply with the site Stormwater Management Plan (SWMP[22]). These wells have been sampled for major anions and cations, pH, TRH/BTEX and heavy metals. The most recent monitoring data collected in 2025 is provided in **Appendix B**. The results indicate TRH/BTEX has not been detected in wells installed across the broader site, noting detections of TRH were reported at location MW1, to the south of Pit 1/UCF4. The concentrations were noted to exceed adopted criteria however no discussion in relation to the potential source of this contamination has been provided in previous assessments (completed by others). Silica gel clean-up as part of the assessment was not conducted. JBS&G note that there is deep uncontrolled fill reported in proximity to MW1 (south) and uncontrolled fill associated with UCF4 (stockpiled fill to the north in Pit 1) that will be further assessed as part of ongoing quarry rehabilitation works under the FMP (JBS&G 2026). This is anticipated to address any potential sources of TRH contamination in uncontrolled fill, if present. Further validation of the site condition in proximity to MW1 will be required to address the reported concentrations of TRH.

As discussed in the DSI, heavy metals in groundwater across the site exceed relevant DGVs considered reflective of the underlying geology and/or urban background.

During JBS&G's investigation (JBS&G 2026) trace PFAS concentrations were identified which were noted to be below the relevant species protection guideline values for freshwater (HEPA 2026)and also the adopted recreational exposure criteria for human health. Targeted soil assessment by JBS&G did not identify PFAS compounds in soil at completed investigation locations. It was noted that the previous groundwater assessment was limited and as such further assessment was required to assess if the detections represent regional conditions.

The selected wells will be sampled using HydraSleeves which will be lowered with PFAS free rope and placed within the screened interval at least 24 hours prior to sampling. Prior to removing the sleeves, groundwater levels will be measured using a calibrated interphase probe (IP). Groundwater parameters will be collected as a grab sample during the groundwater monitoring event and include field parameters of pH, EC, ORP, DO, and temperature. A record of gauging data, sample observations (including colour, odour, presence of NAPL, sheens) and sampling method details will be recorded by the field scientist.

Non-disposable groundwater monitoring equipment, limited to the IP will be decontaminated with laboratory supplied PFAS free dionised water and Liquinox detergent between each monitoring well.

Groundwater samples collected from the monitoring wells (**Figure 6D**) and immediately transferred to laboratory-supplied sample bottles and then to a chilled icebox for preservation prior to and during shipment to the testing laboratory. A chain of custody COC form will be completed and forwarded with the samples. Samples will be analysed at NATA-accredited laboratory for heavy metals, TRH/BTEX and PFAS. Duplicate groundwater samples will be collected at a rate of one per 10 primary samples. A trip spike (BTEX and volatile TRH) and rinsate blank (for non-dedicated equipment) will be collected with the sampling event, including a PFAS field blank sample to assess potential PFAS cross-contamination during sample transport

[22] *Soil and Water Management Plan*, dated 28 January 2021, prepared by VGT Environmental Compliance Solutions / PGH Bricks and Pavers (VGT/PGH 2021)

In addition to the proposed sampling program, a review of publicly available records will be undertaken with relation to PFAS investigation programs which may have been conducted for South Creek and Badgerys's Creek and/or which may have been conducted to characterise regional conditions. Subject to the outcomes of the initial assessment, further sampling of the adjoining creeks may be undertaken. This would include collection of surface water grab samples from representative up and down gradient locations adjacent to the site boundary.

8.1.3 Removal of Sewer Infrastructure

The DSI identified data gaps associated with on-site sewer infrastructure. Following removal of on-site sewer infrastructure, a visual inspection will be conducted to assess residual materials for evidence of leaks/spills.

Soil present immediately below the primary infrastructure (being each septic tank) will be assessed for heavy metals, PAHs and PFAS with a minimum of one sample per septic tank (based the infrastructure footprint for each septic tank being <25 m^2). If evidence of potential spills / leaks are identified, additional assessment of underlying soils will be completed and include collection and analysis of samples for nutrients (nitrogen, phosphorous based compounds) and biological contamination (total coliforms and E.coli). If biological contaminants are identified, these will be subject to management to comply with relevant WHS regulations.

The presence of any contamination, if identified, will be managed in accordance with the unexpected finds protocol (**Section 8.22.1**).

8.1.4 Decommissioning of Farm Dams

Farm dams will require dewatering and desilting as part of development activities. The following will be required to address data gaps identified by JBS&G (2026).

Table 8-3 Summary of Farm Dam Additional Assessment Requirements

Item	COPC	Additional Assessment Requirements
Surface water	Heavy metals, OCP, TRH, PFAS, nutrients	Sampling and analysis required prior to pump out to confirm any additional management / discharge requirements under the site SWMP.
Farm Dam Sediment	Heavy metals, OCP, TRH, PFAS, nutrients (nitrogen and phosphorous based compounds)	To be assessed at a rate compliant with the FMP (**Appendix D**) following excavation and stockpiling to confirm suitability for on-site re-use.

JBS&G note as per the Dam Dewatering Plan (SLR 2026), water levels are proposed to be decreased by pumping and use for irrigation on adjacent farmland within the site. As such, the additional contamination related assessment proposed above will consider criteria for short-term (<20 years) irrigation adopted from ANZECC (2000) for assessment of suitability of the surface water for onsite irrigation/dust suppression (**Section 3**). It is noted that the criteria were developed to consider the impact of irrigation water on crop yield, and will be used for screening purposes only.

The presence of any contamination, if identified, will be managed in accordance with the unexpected finds protocol (**Section 8.23.1**).

8.2 Extent of Remediation

The current anticipated extent of remediation is shown on **Figures 6A** to **6C** and includes:

- Approximately 7,000 to 10,000 m^3 of TRH impacted soils, associated with historical brick making factory operations, typically present from the surface to near surface depths over the extent of the former factory footprint, estimated as an area of approximately 7000 m^2;

- An area of deeper TRH impacted seepage water as present within the extent of TRH impacted soils, provisionally confined to a relatively shallow depth within the underlying shale and discontinuous in nature (based on the limited existing data);
- An area of near surface ACM impacted soils as estimated over an area of approximately 13 000 m^2 and typically present to a depth not exceeding 0.3 m, though anticipated to be restricted to surface depths only. A quantity of approximately 5000 m^3 of soils is estimated.
- Approximately 137,500 m^3 of uncontrolled fill material comprising potentially asbestos impacted soils associated with historical site activities within the southeast of pit 1 (UCF 4);
- Minor occurrences of ACM and/or AF/FA present within shallow soils across the broader site / former farmland some of which require additional delineation (**Section 8.1.1**) and which may require remediation and/or management:
    - Surface soil at BH126;
    - Surface soil at BH160;
    - Surface soil at BH220; and
    - Shallow fill in proximity to a former structure at TP108.

Whilst not a remediation extent, JBS&G note a range of assessment and characterisation activities are required to address data gaps associated with stockpiled and in-situ fill material, as well as dam sediment / former agricultural building footprints at the site (**Section 6**). These will be addressed by implementation of the FMP (**Appendix D**) and any unexpected contamination addressed as an unexpected find (**Section 8.23.1**).

8.3 Approvals, Licences and Notifications

State Environment Planning Policy (Resilience and Hazards) 2021

From review of the proposed activities, the site wide remediation works are expected to include the containment of >30,000 m^3 of contaminated soils (current allowance for planning purposes, comprises 100,000 m^3 cell capacity). The extent of remedial works, being to treat and/or otherwise store greater than 30,000 m^3 of contaminated soil triggers obligations under Schedule 1 of the *Protection of the Environment Operations (POEO) Act 1997*. As such, the works are classed as Category 1 remediation as per the meaning provided in *State Environment Planning Policy (Resilience and Hazards) 2021* (SEPP R&H), being works requiring development consent. All remediation works are proposed to be integrated into the bulk earthworks SSDA (97711727).

Given the scale of the site and extent of required remediation works, remediation works may be conducted in a staged manner. Where applicable, specific RAP documentation may be prepared (separately) to facilitate commencement of specific remediation activities, whereby such works on their own would not satisfy any of the triggers for Category 1 works within SEPP R&H, and therefore the remediation works would comprised Category 2 Remediation Works as per the meaning provided in SEPP R&H. In this event, such works would require notification to Council 30 days prior to the commencement of the related activities in the form specifically noted in SEPP R&H.

Environment Planning and Assessment Regulation 2000 – Schedule 3 Designated Development

Whilst it is understood that the current SSDA approvals pathway supersedes the Designated Development approval pathway, it is noted that the EIS will address the POEO Act (1997) Schedule 1 triggers as discussed below in any event.

The extent of contamination as assessed laterally is less than an aggregate of 3 hectares in area.

As noted above, the current estimated volume of contaminated soils being proposed to be treated onsite is anticipated to exceed the legislated threshold of 30 000 m^3. As such, it is anticipated that evaluation of the

bulk earthworks SSDA (97711727) will include consideration of obligations to modify the current site EPL for quarrying activities to facilitate consent for completion of the remediation works.

Protection of the Environment Operations Act 1997

All potential discharges from the remediation works will require to be maintained below applicable assessment criteria/threshold guidelines during the remediation works. This would apply to potential emissions in air and water. Levels of discharges are typically assessed at a site boundary, noting that there is an existing EPL for the site quarrying activities in force prior to commencement of the remedial works, and as noted above, it is expected this will be varied upon issue of the bulk earthworks SSD consent to consider the nature/scale of the remediation works and associated potential impacts.

Site specific environmental management plans, as prepared and maintained by remedial contractor, will require to ensure appropriate controls and monitoring criteria to assess compliance with these aspects protective of on- and off-site receptors during the works.

In addition, where remediation of the currently identified and unidentified contamination will include the construction of a containment cell with a capacity of greater than 30,000 m^3, then this will trigger a Scheduled Activity as defined in the POEO Act (1997) Schedule 1. Such works will require the grant of an Environmental Protection License (or alternatively, amendment of the existing premises based Licence).

Contaminated Land Management Act 1997

The site is not currently regulated under the *Act* as contaminated land. All works undertake to remediate and validation site require to be in accordance with guidelines made or approved under the Act.

Water Management Act 2000

No dewatering of groundwater is anticipated with the remedial works. A dewatering licence will not be required for the remedial works to proceed. It is anticipated that small discontinuous pockets of seepage water will be encountered by the proposed scope of remedial works, which is anticipated to be dewatered by the removal of the associated saturated soils from this area. Some minor additional pump out may be required where seepage water re-accumulates in trenches/remedial excavations. This seepage water is not associated with regional groundwater, or otherwise sub-surface water that would be described as groundwater.

If rainwater accumulates at the site and requires removal from the site, any discharge is required to be in accordance with the POEO Act and the EPL in force at the time of the activities. Where deemed suitable, collected / accumulated runoff may be discharged to the site surface to allow for re-infiltration to the subsurface (i.e. not discharged from the site).

If any water is required to be discharged from site to sewer as part of the remedial works scope, approval from the asset owner (Sydney Water/Council) will be required. Sydney Water's and/or Liverpool City Council's approval conditions will require to be upheld by the Principal/Remediation Remedial Contractor and demonstration thereof provided for consideration in preparation of the validation assessment.

Protection of the Environment Operations (Waste) Regulation 2014

The POEO (Waste) Regulation makes requirements relating to non-licensed waste activities and waste transporting. The proposed works on the site will not require to be licensed with regard to the specific provisions of this Regulation.

Section 48 of the Regulation requires that wastes are stored in an environmentally safe manner. It is also stipulated that vehicles used to transport waste must be appropriately licensed and covered when loaded with impacted materials.

For transport activities Clauses 76 and 79 of this regulation also details additional tracking requirements for vehicles carrying Special (asbestos) waste (> 100 kgs, or more than 10 m^2 in a single load), should such works be proposed to be completed under the contingency provisions of this RAP the following will require to be

followed. This will generally implementation of the EPAs Integrated Waste Tracking System (IWTS) requirements for all loads.

Under of the POEO Regulation 2014, asbestos waste must be tracked using IWTS. Section 42 of the Regulation stipulates special transportation, reporting, re-use and recycling requirements relating to asbestos waste and must be complied with regardless of whether the activity is licensed.

Provision is provided in the Regulation and EPA (2014) guidelines for the NSW EPA to approve the immobilisation of contaminants in waste (if required with unexpected finds) and regulation of other waste classification such as VENM.

Waste Classification Guidelines

All wastes generated and proposed to be disposed off-site shall be assessed, classified and managed in accordance with EPA (2014). Where wastes require immobilisation prior to offsite disposal (to reduce waste classifications) an immobilisation approval shall be sought in accordance with Part 2 of this guideline. Immobilisations are only anticipated to be required with unexpected finds that cannot be retained on site and cannot be disposed directly offsite to a licensed facility.

Asbestos Works

Asbestos impacted fill-based soils have been reported in historical investigations. The asbestos has been identified in both bonded and non-bonded (i.e, friable) form. The remediation of fill containing asbestos in addition to removal of remaining in-situ asbestos containing infrastructure/building materials at the site will be managed in accordance with the *Work Health and Safety Act 2011* (WHS Act) and associated Work Health and Safety (WHS) Regulation (2019) including those related to Asbestos.

Noting that asbestos impacts (both friable and bonded) have been identified within site soils, and works that will result in the disturbance of these soils will be required to be managed in accordance with the WHS Act, Regulations and the *Code of Practice How to Manage and Control Asbestos in the Workplace* (SafeWork 2022a) and *Code of Practice How to Safely Remove Asbestos* (SafeWork 2022b).

Excavation, onsite remediation and removal/containment of asbestos impacted soils are required to be conducted by a Class A (for the Friable impacted soils) or B (for Bonded impacted soils) Asbestos Removal licensed contractor as appropriate to conditions identified in relevant areas of the site. Before starting the affected works, the licensed asbestos removal contractor shall be responsible for submitting the appropriate SafeWork NSW permit (friable and non-friable) to remove asbestos at least five days prior to the proposed works where required.

All airborne asbestos fibre monitoring works must be undertaken by a competent person or Licenced Asbestos Assessor, in accordance with SafeWork NSW requirements.

Remediation works shall not commence until all required approvals, licences and notifications have been granted and/or received.

8.4 Site Establishment

All safety and environmental controls are to be implemented as the first stage of remediation works. It is noted that remedial works may be completed in a staged manner, and as such it is expected that controls would be installed as applicable to the location, nature and scale of each remedial activity on a case by case basis as relevant to identified sensitive receptors, site boundary conditions, nearby work crews/site activities, etc.

In general, these controls will include, but are not limited to:

- Locate and isolate all required underground utilities within the site such that excavation works can safely proceed;

- Assess need for traffic controls, with respect to co-occurring earthworks activities that may otherwise be occurring within the site;
- Work area security fencing;
- Site signage and contact numbers;
- Sediment fencing as appropriate to mitigate sediment laden runoff from the site;
- Identification of haulage routes for material movement;
- Provision of site utilities inclusive of provision for personnel decontamination; and
- Physical identified of the extents of proposed intrusive remedial works.

The proposed remedial works are outlined following as specific to each contaminant type / grouping that has been identified in as requiring remediation.

8.5 Pavement / Concrete

Pavement is present in portions of the site, primarily within the former factory footprint, inclusive of overlying the remedial areas. Pavement shall be removed as needed to access remedial areas within the factory footprint.

Should the pavements be identified as free of asbestos impacts (adhered/embedded mastic, ACM fragments) and not visually stained as a result of hydrocarbon spills/impact, this material could be cleared for off-site resource recovery.

Alternatively, the pavement shall require chemical characterisation and clearance for asbestos impacts prior to on-site crushing to facilitate beneficial reuse as recycled aggregate during construction works, where hydrocarbon concentrations meet the adopted site assessment criteria. Alternatively, consideration may be given for temporary stockpiling of crushed material prior to future placement within the proposed asbestos containment cell at the site (above the water table).

8.6 Soil Treatment Compound

A Soil Treatment Compound requires to be established prior to the commencement of excavation of impacted soils and/or removal of historical factory drainage infrastructure. The Soil Treatment Compound is proposed to be initially established within the former tile yard / laydown area portion of the site to the east of the former factory, however this may require re-assessment at the time of proposed works, should access to this area not be available at the time of proposed works. The Soil Treatment Compound shall require:

- Security to prevent unauthorised entry;
- Sediment controls at the extent of the Compound, and internally partitioned within the Compound as consistent with the proposal to treat soils with different combination of contaminants separately within the Compound; and
- Provision for surface water drainage so that potential water discharges from the Treatment Compound are transferred to the existing site drainage system for collection at an onsite settlement pond, or are otherwise able to be managed via a newly constructed settlement basin specific to this portion of the site. From here it is anticipated that the water could be treated using the treatment plant anticipated to be established on-site to deal with the petroleum hydrocarbon impacted seepage water.

8.7 Site Infrastructure

As reported in JBS&G (2026) existing below ground drainage lines, sumps and other penetrations within the former factory are anticipated to have been acting as contamination sources and preferential pathways for

contaminant migration. Petroleum hydrocarbon impacted soils as identified for remediation are anticipated to be correlated with this inground infrastructure throughout the site former factory and to a lesser extent, the former mechanics workshop, transformer locations, etc. As such, it is proposed to decommission and remove all below ground infrastructure within this portion of the site to removal all sources and prevent any further potential of an ongoing preferential pathway. Impacted soils shall be excavated and removed at the same time, as consistent with the method described in the following section, if identified.

Petroleum hydrocarbon impacted soils are proposed to be remediated by on-site treatment as per **Section 8.9**.

8.8 Petroleum Hydrocarbon Impact

It is likely that the source / highest levels of petroleum hydrocarbon impact will be identified following the removal of the site pavement and removal of the in-ground drainage infrastructure within the factory footprint. If not, the proximity of historical sample location BH104/MW101 shall be deemed to be an appropriate starting point for excavation works to remove petroleum hydrocarbon impacted soils.

Excavation works shall occur in an inside out manner from this location. The estimated minimum extent of remedial works to address petroleum hydrocarbons has been shown on **Figure 6A**. An approximate area of works of 7,000 m^2 is estimated with excavation depths ranging from 0.5 to 1.3 m bgl and potentially exceeding 1.5 m in proximity of BH104/MW101 where the excavation will be required to extend to the depth of impacted seepage water. It is anticipated that an approximate volume of 7,000 to 10,000 m^3 of soils will be excavated here.

As noted, it is likely that sub-surface pits, lines and drains are the primary source of the petroleum hydrocarbon impact. Excavation will occur in an 'inside-out' manner as commencing at the location of the removed infrastructure and guided by aesthetic indicators of impact. It is considered likely that the majority of the excavation will be shallow.

Excavated material is proposed to be bioremediated on-site to address the petroleum hydrocarbon impact.

A deeper excavation is likely to be instructed by observation of aesthetic indicators of petroleum hydrocarbons in proximity of BH104/MW101 underlying the former factory floor, noting that other isolated areas of deeper impact may also be identified based on the location of sumps and/or drainage infrastructure underlying the pavements, where services trenches extend to greater depth than the pavement subgrade. These excavations will be undertaken to the depth of seepage water and associated saturated soils forming the localised seepage horizon. It is considered most likely that the excavation of the saturated soils will cause the removal of all the available free seepage water.

There is a potential that minor quantities of seepage water may discharge into open excavations, drain from more permeable trench backfill and/or may be present within site infrastructure, which is expected to contain petroleum hydrocarbon impact. Where and if present, seepage water at this stage is proposed to be either pumped form the excavation base / infrastructure and;

- transferred to an on-site WTP for treatment; and/or
- pumped from the excavation via a sucker truck and lawfully transported to a receiving facility as liquid waste, in accordance with relevant NSW EPA regulations.

Remediation here requires to be sufficient to address the identified NAPL impact, which is likely to be substantially achieved by the soil excavation / treatment.

8.9 Petroleum Hydrocarbon Impacted Soils Treatment

It is proposed to treat petroleum hydrocarbon soils on-site through bioremediation. Bioremediation will be undertaken by landfarming within the Soil Treatment Compound as installed prior to the commencement of the remediation works. Monitoring of the landfarms shall be undertaken to ensure optimum conditions for

bioremediation are maintained during the treatment period such that the works may be completed in a timely fashion. This shall include:

- Assessment of soil pH to ensure that soil pH is maintained between pH 6 and 8. Based on previous experience, slightly acidic conditions are more likely than alkaline conditions. Soils shall be mixed where possible to create soils mixtures with the desired pH levels. Gypsum shall be mixed with soils where required to address soils acidity;
- Soil nutrients may be added where bioremediation is not occurring within sufficient timeframes, or otherwise to minimise bioremediation durations. This shall include addition of manure to landfarmed soils, or otherwise complete chemical fertilisers; and
- Maintaining of soil moisture between 12 and 30 %. Noting the landfarming may be undertaken on hardstand areas, excessive soil moistures are more likely (rain water gets retained in the stockpiled soils as it cannot discharge / infiltrate through the sub-surface). Regular turning / aeration of the soils will be required to ensure that moisture levels are maintained at suitable levels, noting this also assists with maintaining smaller clod sizes in clayey material, increasing surface area contact with oxygen. This will particularly need to be undertaken following substantial rainfall events.

8.10 Petroleum Hydrocarbon Impacted Water Treatment

A WTP will potentially be established on-site to allow treatment of excess seepage that may enter the remedial excavation at the location of BH104/MW101 should this option be preferred to off-site liquid waste disposal via sucker truck/waste transporter. If required, the WTP shall comprise:

- Sand filter / bag filter initial stage to remove turbidity / suspended solids as will be anticipated with excavation pump out water;
- Coalescing plate oil / water separator to allow removal of gross quantities of petroleum hydrocarbon impact; and
- Granular activated carbon (GAC) filters to remove residual dissolved petroleum hydrocarbons.

Excavation pump out water shall be transferred at a controlled rate of typically 1 L/s. Holding tanks may be utilised to retain transferred water, or otherwise to retain transferred treated water. Treated water shall be re-used on-site for dust suppression, typically anticipated within the area of the proposed treatment compound / landfarm.

8.10.1 Treatment Trial

Where a WTP is proposed and required with the remedial works, a treatment trial shall be undertaken to demonstrate the effectiveness of the system to remove petroleum hydrocarbons. This shall comprise:

- Use of seepage water in proximity of monitoring well BH104/MW101 to dewater seepage water and transfer to a temporary holding tank of at least 1000 L;
- Transfer of water from holding tank to the WTP;
- Treatment of dewater and discharge into the excavation in proximity of BH104/MW101; and
- Treatment of a minimum quantity of 1000 L.

A sampling program shall be completed during the water treatment trial consisting of:

- Collection of two samples of influent water and analysis for heavy metals and TRH; and
- Collection of 15 minute samples of treated effluent up to a maximum of five samples and analysis for heavy metals and TRH.

It shall be confirmed that effluent analysis results meet the site discharge criteria summarised in **Section 3.3.1** for TRH and that heavy metals meet the irrigation criteria summarised in **Section 3.6**.

8.11 Asbestos Impact

The known/inferred extent of asbestos impacted soils is shown on **Figure 6A** to **Figure 6B**.

As noted in **Section 8.1.1**, further delineation is proposed to confirm the nature and extent of asbestos impact at several locations across the site prior to commencement of remedial works in each area. It is anticipated that additional data collected will form part of the validation assessment to confirm the extent of excavation required.

With the exception of UCF 4 (stockpile) and shallow fill at TP108, asbestos impact at the site is primarily restricted to surface soils. At each area of surface asbestos impact, surface soils shall be scraped in 100 mm increments over the full extent of the lateral area. Scraped soils shall be transferred to a temporary stockpile location. Following each scrape, the extent of the scrape shall be inspected by an asbestos competent person to identify areas where ACM / associated anthropogenic material is still present, and a further 100 mm scrape undertaken, re-inspected, and scraped again as necessary. Where asbestos impact is deeper, bulk stripping of the identified impacted fill will be completed until such time as the excavation terminates on underlying natural soils and/or visually different material(s). Where asbestos has been identified as friable in nature, the excavation will be overseen by a Licenced Asbestos Assessor (LAA) and validation sampling and analysis required for excavation extents.

Validation assessment shall confirm the extent of excavation completed has addressed the extent of asbestos impacts at each identified location. Further, a validation assessment will be required following removal of stockpiles impacted with asbestos (visual clearance with sampling and analysis required where the stockpile has been identified to contain AF/FA above the health criterion).

The stockpiled asbestos impacted soils resultant of remedial excavations are then proposed for either long term containment on-site and/or emu picking (bonded impact only) as described in the following sections.

8.12 On-site Containment of Asbestos

A preferred remedial option for the asbestos contaminated fill-based soils, particularly those contaminated with AF/FA is management on-site by long term containment. The following documented procedures will be implemented to ensure that environmental/health risks associated with the retention of these soils are appropriately controlled. As noted in **Section 7**, emu picking of bonded ACM may be identified as a suitable alternative during remediation and development activities for soils contaminated only with bonded ACM, as described in **Section 8.13.**

8.12.1 Overview

The extent of asbestos contaminated soils within the extent of the site will be managed to the extent achievable via containment and the implementation of permanent physical separation which eliminates the inhalation exposure pathway for airborne asbestos fibres. Consolidation of these materials will occur via temporary stockpiling during remediation works until such time as a dedicated asbestos containment cell is excavated and the material can be interred in an engineered manner, following which a permanent physical separation layer will be placed.

The proposed strategy aligns with the NSW EPA waste hierarchy and is considered an appropriate long term management strategy prescribed by NEPC (2013) and DOH (2009), whereby the potential for exposure to asbestos is eliminated by physical separation, and standard long-term management of potential risks (should excavation/re-exposure be required). It is noted under the proposed development scenario, there are unlikely to be scenarios whereby the contained soils will be foreseeably re-exposed as they will be placed at depth beyond installed service infrastructure and below hardstand pavement.

The location of the containment is proposed underlying Development Lot 3 in the northeast of the site, as shown on **Figure 7B**. An initial concept design for the proposed cell has been developed (**Appendix E**) to facilitate the containment of up to 100,000 m^3 of asbestos contaminated material(s).

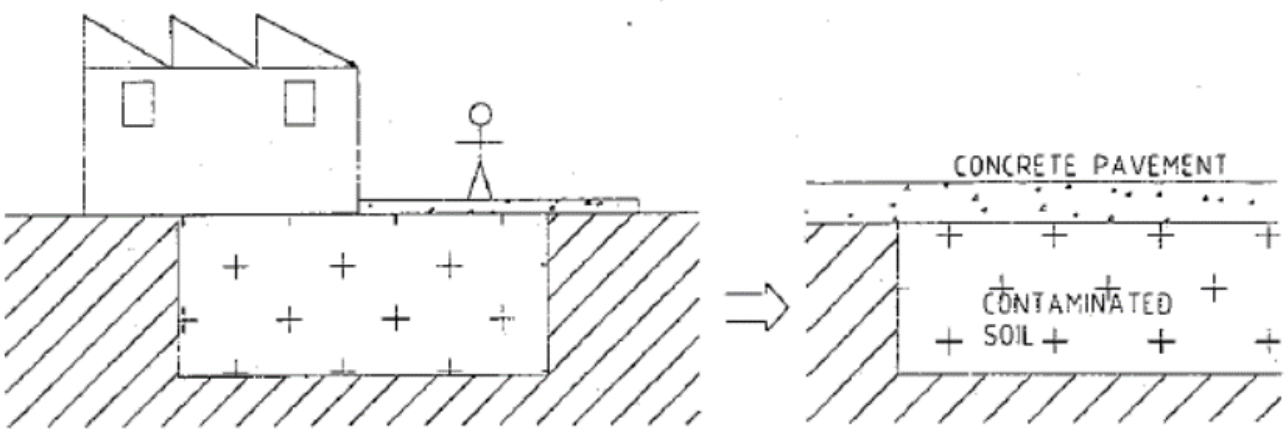
The final design shall be confirmed following consolidation of all asbestos contaminated materials and confirmation of the total volume requiring placement. The final agreed containment / retention design for the asbestos contaminated soils will require to be agreed with the Site Auditor prior to progression of the remedial works.

The minimum requirements for the physical separation to be adopted in remediation of the site includes:

- A minimum soil cover thickness of 0.5 m in landscaped or mass planting/shallow landscaped areas and 1.5 m in tree pit zones which is underlain by a visual "marker layer" in unpaved areas, i.e., planter boxes in landscaped areas etc.; or
- Permanent concrete floor/ground slabs as underlain by a 0.1 m minimum thickness "capping layer" and visual "marker layer", i.e., underlying buildings, roads, pathways or otherwise the area designed as 'hardstand'; or
- Top (concrete) of pile foundations (no marker layer required for below pile foundations).

In practice, to provide future proofing of the development, the client has proposed an upper extent of asbestos contaminated material to be at least 3 m below the final finished development levels. A marker layer will be placed atop the contained fill at this depth. This will minimise the likelihood that any future design/fit out amendments (installation of additional below slab infrastructure) may encounter asbestos containing material and therefore result in obligations to work under asbestos conditions/reinstate marker layers etc.

A conceptual sketch, sourced from ANZECC 1999, is shown following:



The marker layer shall consist of a bright orange coloured non-woven polyester continuous filament or PET (such as nonwoven geotextiles) or similar with a minimum density of approximately 150 grams per square metre (or equivalent). The marker layer must:

- Be easily recognisable within soils (i.e., bright orange in colour);
- Be durable as a long-term marker layer (i.e., > 140 grams per square metre); and
- Maintain integrity during remedial/civil works such as capping layer insulation and road/building construction.

Additionally, the marker layer must meet geotechnical and civil specifications where required.

The specific details of the marker layer are required to be included in the site validation report and LTEMP documents in addition to surveyed plans showing the extent of the capped area (**Section 8.17**).

8.12.2 Specific Capping Arrangements

The following capping procedures will be applied to each of the potential exposure scenarios across the site, prior to completion of construction works:

- Beneath permanent concrete ground slabs associated with structures, the installation of a marker layer over contaminated fill material with capping layer consisting of a minimum thickness of 0.1 m environmentally suitable materials (ie, pavement subgrade) below the permanent concrete slab as the physical barrier;
- Below elevated structures / buildings constructed on piers / stilts, the installation of a marker layer over contaminated fill material with a robust geotextile or similar placed over to maintain the condition of the marker layer. The overlying geotextile should be secured to the ground with pegs / pins or similar to ensure stability during any future potential flood event;
- Permanent hardstand pavements (i.e., concrete slabs, pile caps or asphaltic concrete or similar, footpaths, but not bricks or pavers) – installation of a marker layer overlying potentially contaminated material followed by sub-grade material validated as environmentally suitable materials for human exposure and then the permanent surface (e.g., exterior concrete footpaths, asphaltic roads, etc.);
- Mass planting / shallow landscaping areas – installation of the marker layer at a minimum depth of 500 mm below the final finished site levels, with a capping layer consisting of environmentally suitable materials for potential human and/or ecological exposure;
- New tree pit zones / deep soil landscaping zones – installation of the marker layer at a minimum depth of 1.5 m below the final finished site levels in the immediate vicinity of the individual plants (ie. rootball areas), with a capping layer consisting of environmentally suitable materials for potential human and/or ecological exposure, noting that the maker layer should extend the depth required for installation of the new tree's existing root ball or otherwise consistent with the anticipated root zone of the deep landscaping area;
- Within underground services trenches / services – service infrastructure locations will require remediation to 150 mm below the depth of services, with a marker layer and capping layer installed consisting of environmentally suitable materials for potential human and/or ecological exposure such that future maintenance of the service may be completed within the suitable material such that asbestos works zones are not required; and
- Flood affected areas – there is a likelihood that the riparian zone open areas of the site will be retained without improvements due to the potential for flooding. These areas would be anticipated to be grassed and should be provided with a minimum 0.3 m thick capping layer over the marker layer. However, consideration may be required of alternative measures where tree/vegetation retention obligations under the proposed consent will not provide for implementation of such earthworks. In such instances, should contaminated material be identified a detailed assessment of requirements for ongoing management would be prepared in consultation with the broader team (ecologists, arborists, landscape architects, client etc) for submission/endorsement of the auditor.

Material above the marker layer extending to the final finished ground level will be required to be an environmentally suitable material for human and/or ecological exposure (as appropriate) as discussed further in **Sections 9.13.2**.

Validation of the capping arrangements will be required as outlined in **Section 9.13.2** including inspections by the Environmental Consultant, a survey plan prepared by a registered surveyor showing the level and lateral extent of the impacted soils, marker layer, and capping in relation to the site boundaries.

8.13 Emu Picking of Bonded ACM

If identified as a suitable alternative to on-site containment, it is envisaged that some ACM contaminated material which classed as bonded (non-friable) asbestos may be subject to on-site treatment by physical picking and removal of ACM fragments to reduce the concentration of bonded ACM, such that the remediated soil may be considered suitable for use without the requirement for ongoing / long term environmental management. The following sections outline appropriate remedial methodologies which should be implemented for this remedial approach.

8.13.1 Methodology

The remedial contractor shall undertake the following to remove ACM:

- The lateral and vertical extent of the resultant excavation and associated stockpiled soils are to be surveyed for material volume reconciliation;
- The bonded ACM impacted fill is to be spread by the remedial contractor to form pad/s not more than 0.1 m thick, within designated pad sorting areas (more than one pad may be used);
- The dimensions of each pad are to be documented such that the volume of material can be verified and meet the validation sampling density required;
- ACM fragments are to be collected by raking (teeth >10 cm long and not more than 7 mm spacing) and picking of the spread material by the remedial contractor or its appointed contractor and collected ACM fragments disposed of off-site to an appropriately licensed waste facility. A minimum of two passes of picking and raking will be made with a 90 degree direction change between each;

  Note: other methodologies may be deployed based on a cost/benefit evaluation by remedial contractor such as use of a Table Screen (or similar) in the case that variable anthropogenic inclusions may make it difficult to sort/treat manually;
- Following the initial screening process, the remedial contractor or its appointed contractor shall complete a second walkover of the pads to confirm there is no visible ACM;
- Pads will be validated by JBS&G as per **Section 9.9**. Should the initial validation fail, the pad will be subjected to an additional rake, walk/pick by the remedial contractor or its appointed contractor and re-validated by JBS&G until such time as validation is achieved;
- At completion of validation of a prepared pad, the material will be excavated and placed in a holding stockpile and new material spread repeating the above process;
- The footprint of all stockpiles and picking pads and material underlying impacted fill (following excavation) are to be validated by JBS&G. Should initial validation fail, the failed base of the excavation/pad/stockpile footprint will be excavated a further 0.1 m in the direction of the failure and the validation process repeated until validation is achieved; and
- Materials will be tracked from source, through required remedial activities to final placement/ disposal, noting remediation undertaken and validation outcome.

8.14 Excavation Control

As described in **Sections 8.8** and **8.11**, all excavations are proposed to be undertaken in an 'inside-out' manner with the initial anticipated excavation locations shown on **Figures 6A** to **6C**. Excavation activities shall be undertaken as per the guidance of the JBS&G Environmental Field Scientist / Engineer/LAA.

Excavations may require to be left open following completion until receipt of the validation (laboratory field AQ) results. All excavations excavated to a depth of greater than 1 m below surrounding ground levels shall follow general site rules with regard to excavation stability risk management, with specialist advice as required/directed by the superintendent from the project geotechnical consultants (noting that this is beyond the remit of JBS&G personnel). Material removed to form wall battering shall be added to material treatment / bioremediation areas, or otherwise used to construct temporary bunds adjoining the excavations.

Excavations exceeding a depth of 1 m may not be entered by site personnel unless provided with battering as described.

8.15 Excavation Backfilling

Excavations shall be backfilled using site available treated materials, or otherwise environmentally suitable site won fill material or imported soils as sufficient to make the excavation 'safe'. Where treated hydrocarbon impacted soils are used – it shall be ensured that the treated soils have been validated as consistent with **Section 9.5** as specific to the particular contaminants as were present.

It is anticipated that all fill material will be consistent with the general project specification and approved by the superintendent for use prior to placement in the project proscribed manner.

8.16 Material Importation

Based on the scope of remedial works described herein, and with regard to the overall project requirements, bulk fill material importation will be required to achieve bulk earthworks levels. The procedures and processes to be followed with regard to the selection and management of fill importation activities are included in the FMP (**Appendix D**), noting that the current FMP version ERM (2025a) will be in-force prior to the approval of this RAP. As presented in detail in the FMP, it is anticipated that imported material will require to be demonstrated as compliant with one of the following:

- Virgin Excavated Natural Material (VENM) as defined in the POEO Act 1997, adopting in the minimum requirements for characterisation stipulated in the FMP (**Appendix D**); or
- Material compliant with a Resource Recovery Order (RRO) issued by the NSW EPA under the POEO framework, as documented in a compliance statement provided by the supplier in accordance with the relevant RRO, that has been further assessed as suitable for use at the site for the proposed purpose via adopting at least the minimum requirements as stipulated in the FMP. Materials anticipated to be covered by a RRO comprise but will not necessarily be limited to excavated natural material – ENM, tunnel spoil, recycled aggregate, basalt fines, compost, mixed organic waste, pasteurised garden organics and recovered fines, with reference to the list of current orders and exemptions on the NSW EPA website.

In addition to the testing completed by the supplier, compliance assessment activities as detailed in the FMP will provide suitable evidence that the specific material proposed to be imported to ensure that the incoming material does not pose an unacceptable risk to human health and/or environment at the placement site and is therefore suitable for use. The assessment activities will include visual inspections, representative sampling and laboratory analysis of material to demonstrate the material meets the requirements of this RAP as per the detail presented in the FMP (**Appendix D**).

Material tracking records in addition to the import assessment report are required to be included in the final validation report for the site.

8.17 Environmental Management

A Remediation/Construction Environmental Management Plan (REMP) will be prepared prior to commencement of works to detail the measures to be put in place to eliminate or otherwise mitigate potential environmental emissions from the remedial works as per **Section 10.3**. Of specific relevance to the staging of the remedial works is the management of potential odours associated with the storage and handling of the petroleum hydrocarbon impacted soils, and the control of potential asbestos fibre emissions.

8.18 Validation

Validation of the remedial works will be conducted by the Environmental Consultant to demonstrate the remediation/management objectives have been achieved and to document the final condition of the site on the completion of works such that conclusions may be drawn on the end use suitability of the site for the proposed development. Details of the validation program are provided in **Section 9**.

8.19 Validation in Stages/Development Lots

Given the size of the site and proposed development scenario resulting in subdivision of the site into 14 commercial/industrial development lots and associated ancillary areas, it is anticipated the remediation/ validation assessment report documentation will be broken into a range of stages that may comprise one or more development lots in extent.

As such, where staged signoffs are to occur, there is the potential that remediated areas may abut those that are yet to be, or are in the progress of being remediated and possibly filled, to complete the rehabilitation works scope. Where contaminated soil and/or ground surface impacts within a proposed remedial/ validation assessment sign-off stage that extends beyond the nominated boundary of works, make safe arrangements will require to be undertaken at the boundary with the broader site so as to minimise the potential for contamination exposure to future construction workers, commercial/industrial site users and/or migration of contamination onto the validated Lot/stage.

This may comprise implementation of excavations battered back from the boundary, or alternatively temporary shoring for excavations completed beyond the sign-off extent boundary such that impacted material may remain beyond the site at the time of validation, whilst enabling the remedial objectives for the signoff site to be achieved.

Where such conditions occur, the extent of the impacted material to remain beyond the signoff boundary will be surveyed for the reference of Goodman and its future remediation contractors, noting that such works are not required to be documented in the final validation report for the signoff site (as it is beyond the boundary of the validation assessment).

Other than installation of appropriate security fencing at the sign off boundary to prevent unauthorised access to the validated site, there is not anticipated to be any requirement for interim management of site contamination conditions within the broader site, beyond those applicable under standard construction arrangements.

8.20 Site Dis-establishment

On completion of the remediation works activities completed to address conditions within each area all plant/equipment and safety/environmental controls shall be removed the site portion upon issue of appropriate clearance certificates.

Once the remediation activities are complete, it is noted that requirements in related to the FMP will continue for each portion of the site until such time as the bulk earthworks levels have been established, following which the final validation report for the development lot will include a complete review of all material tracking and verify the suitability of the site for the proposed commercial/industrial use.

8.21 Long Term Site Environmental Management Plan

A LTEMP will be prepared for relevant portions of the site where contaminated material is to be retained upon completion of the remediation works, anticipated to comprise the asbestos containment cell in the north eastern portion of the site. The LTEMP will additionally be adopted as the means to manage any potential aesthetically impacted soils / materials as retained on the site within the upper 3 m fill profile (underlying the final finished development levels).

It is noted that it is currently envisaged that site suitability for the proposed landuse for the balance of the proposed development lots will conclude these portions are suitable for the proposed commercial/industrial land uses without ongoing management.

The LTEMP will be prepared in accordance with EPA (2017), EPA (2020) and EPA (2022) and will define:

- The location, extent and nature of residual contamination within the relevant development lot(s) at the site;

- The extent of the management area);
- Risk management and control measures to prevent potential exposures to soil contamination (including asbestos related controls required to be implemented during development construction works and during ongoing site operations);
- Risk management and control measures to prevent potential exposures to asbestos (and any other potential COPCs);
- Contact persons for potentially affected persons to seek further information / assistance;
- Definition of roles and responsibilities in the implementation of the LTEMP;
- Requirements for reporting; and
- Actions to be undertaken in the instances where the containment layer / barrier requires to be breached that may include future piling works (during site development), deep excavations (to install underground services or other infrastructure) and/or future maintenance activities.

The LTEMP shall be sufficient to control potential exposures to the soils and meet relevant requirements as specific to the management of asbestos in a workplace as advised to the *Work Health and Safety Act 2011*. This shall be inclusive of an Asbestos Management Plan and an Asbestos Register.

The LTEMP is intended to be a live document that will be revised / updated consistent with the progress of the site development works and revisions to the site design / construction in the future.

The LTEMP shall be made legally enforceable through the anticipated Development Consent for the site redevelopment requiring the engagement of a Site Auditor and preparation of a Site Audit Statement. The LTEMP will be included with the Site Audit Statement as prepared for the site consistent with EPA (2017).

8.22 Waste Management

Though a remedial approach has been prepared which proposes the remediation of contaminated materials on-site and retention of treated materials within the site to the extent practicable, there is a potential for generation of significant waste quantities with the proposed works within the contingency plans for this project, inclusive of substantial quantities of pavement required to be removed from a portion of the site area (should this not be the subject of on-site crushing to facilitate beneficial reuse as recycled aggregate within the development activities. Specific provisions have been adopted to ensure the appropriate management of these wastes. This shall include:

- Waste classification reporting requirements in accordance with EPA Waste Classification Guidelines;
- Description of material handling and tracking plan including detailed description of the proposed site cut / fill balance and the material tracking system to be implemented during site remediation works;
- Statements regarding materials being disposed via an appropriately licensed facility or re-used under an order or exemption. Waste classifications and available waste facilities shall require to be identified in proposed works plans; and
- Requirements for recording waste disposal dockets or other waste documentation for any disposed waste.

8.23 Contingency Plan

A review has been undertaken of potential contingency scenarios that may be identified during the remedial works. The following scenarios have been identified:

- Unexpected finds, particularly inclusive of historical tanks / sumps / pits that may have additionally been used to historically dispose of hazardous substances inclusive of but not limited to petroleum

hydrocarbons (hydraulic/machine oil, diesel fuels, waste oil/fuel and/or lubricants and degreasers used in maintenance and repair of the former brick making plant and associated machinery (inclusive of quarrying plant);

- Excessive quantities of asbestos impacted soils and/or asbestos containing infrastructure;
- Excessive quantity of petroleum hydrocarbon impacted soil;
- Emissions / pollution complaints during storage and handling of high-level petroleum hydrocarbon / asbestos contaminated soils.

The proposed response to each contingency scenario is detailed following.

8.23.1 Unexpected Finds

The possibility exists for hazards that have not been identified to date to be present within fill materials or underlying pavements/building on the site, buried within uncontrolled fill within former quarry areas of the site. The nature of hazards which may be present, and which may be discovered at the site are generally detectable through visual or olfactory means, for example:

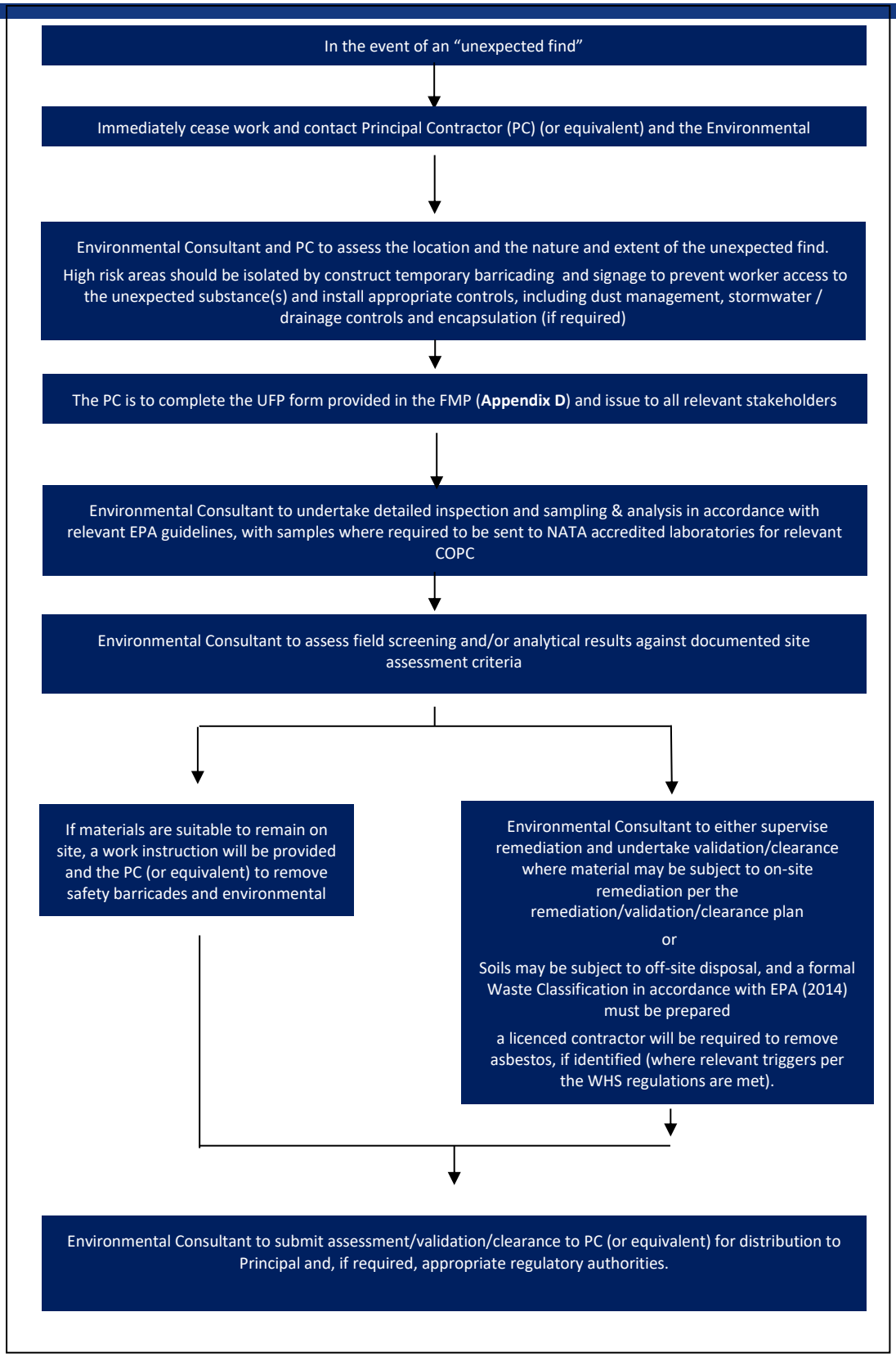
- Excessive quantities of construction/demolition waste that represents an aesthetics issue beyond that reported to date (visible); and/or
- Buried defective product waste, inclusive of the broader business lines of the former owners, including bricks, roofing tiles, clay pipes, etc and discarded machinery/plant/equipment parts including tyres, etc placed as backfill to reinstate historical quarrying pits; and/or
- Hydrocarbon (petroleum/chlorinated)/chemical impacted materials beyond that reported to date, including NAPL beyond the anticipated localised extent at BH104/MW101; and/or
- Drums, waste pits (visible); and/or
- Oily ash and/or oily slag contaminated soils/fill materials (visible/odorous); and/or
- Tarry like impacted soil/fill material (visible/odorous).

As a precautionary measure to ensure the protection of the workforce and surrounding community, should any of the abovementioned substances (or any other unexpected potentially hazardous substance) be identified, the procedure summarised in **Flow Chart 8.1** is to be followed.

An enlarged version of the Unexpected Finds Protocol, suitable for use on the site, should be posted in the Site Office and referred to during the site-specific induction by the Principal Contractor.

The sampling strategy for each “unexpected find” shall be designed by the environmental consultant. The strategy will, however, be aimed at determining the nature of the substance – that is, is it hazardous and, if so, is it at concentrations which pose an unacceptable risk to human health or the environment.

Flow Chart 8.1 Unexpected Finds Protocol



8.23.2 Excessive Quantities of Asbestos Impacted Soils

Based substantially on the findings of the JBS&G (2026) investigations, broadscale asbestos impacts have been assumed to be present in only two areas of the site, with isolated impacted material finds in several additional locations. Of the two areas, the material at the factory footprint is expected to comprise near surface impacts and those associated with potential ACM infrastructure underlying the slab, whilst the uncontrolled fill material at UCF4 in the eastern extent of Pit 1 which is currently assumed to be asbestos impacted requires further investigation pending access arrangements. However, it is acknowledged that there is a potential of greater volumes of asbestos impacted soils to be present on the site given physical observations of stockpiles containing anthropogenic inclusions within the quarry rehabilitation area and the minor detections within the broader farm portions of the site. As such, the current anticipated volume of asbestos impacted soils is modest when compared to the quantum of non-virgin soil/material at the site that will require characterisation/validation for beneficial reuse at the site.

As a contingency, the containment cell has been initially developed to provide a storage capacity of up to 100,000 m^3. Based on data collected to date it is not envisaged the upper storage capacity proposed will be realised.

Containment will be preferred until not possible any more to ensure that waste minimisation objectives of the project are able to be met. Consideration may be further given by the client to the on-site treatment of additional material volumes and/or construction of additional containment cell locations within the site. In such instances, it is noted that a RAP addenda process would be followed to ensure the appropriate parameters are established with regard to project objectives for the location and specification of additional cell requirements in addition to obtaining modification approvals as appropriate from the consent authority, NSW EPA (EPL amendment) and site auditor.

8.23.3 Petroleum Hydrocarbon Impacted Soils/Seepage Water

Similar to the scenario identified for asbestos impacted soils, there is a potential of additional petroleum hydrocarbon impacted soils being identified beyond that currently anticipated. This will be dealt with by the increase in the extent of the Treatment Compound and/or WTP storage capacity to allow treatment of the additional soils required to be excavated/dewatered.

8.23.4 Emissions / Pollution

Due to the nature of the activities and type of contaminants identified within the site, there is a potential for complaints to be received from members of the public and/or occupants of surrounding properties relating to environmental emissions associated with remedial works, including:

- Odour emissions arising from handling of malodorous soil;
- Noise and vibration arising from remedial excavations or other works required for remediation (noting that in the context of an operational quarry, this is unlikely to occur); and/or
- Dust emissions arising from remedial excavation, material handling and placement.

Monitoring of potential environmental emissions from the site shall be undertaken during the remedial works as detailed in the REMP (discussed in **Section 9.3**) and appropriate actions taken to further control emissions following receipt of a complaint. The REMP will be specific to remedial works and not to quarry rehabilitation or future construction works. The REMP shall contain provision for contingency actions where excessive emissions occur, however it is anticipated that one or more of the following actions will be considered:

- Increased application of odour screening/masking chemicals on odorous materials;
- Disturbance of soils during meteorologically favourable periods only; and/or
- Covering of impacted soils; and/or

- Implementation of alternate construction methods.

8.23.5 Material Storage Breach

In the event that any materials storage containment controls are breached and stockpiled materials classified as asbestos contaminated soil or otherwise have escaped (or have the potential to escape), then the management controls shall be rectified, and investigations undertaken as directed by the Project Superintendent to review the adequacy of the controls and any identify the opportunity for process improvements to be implemented. It is envisaged that the project team would work together to achieve best practice resolution of any incidents.

9. Validation Plan

The validation plan has been prepared by preparation of DQOs for the works, and then preparation of a scope of work to collect the data identified in the DQOs as required to address validation decisions.

9.1 Data Quality Objectives

The DQO process has been undertaken as specific to the validation data that will be required to demonstrate that site soils are not contaminated with identified COPCs, as consistent with the extent of remedial works.

1	**State the problem – assemble an effective planning team, describe the problem and examine the resources for investigating the problem.**	
1.1	*Write a brief summary of the contamination problem;*	The site has historically operated as a quarry and brick / paver manufacturing facility with broader rural/agricultural uses. The manufacturing has been inclusive of a former factory building as present in the north-eastern portion of the site. Uncontrolled releases of petroleum products have occurred during the historical operation of the factory, typically associated with the storage, handling and potentially improper disposal of machine oil. In addition, there are known historical areas of transformer and diesel oil/fuel as associated with factory operations. Soils underlying a significant extent of the historical factory area are affected by petroleum hydrocarbons. A localised area of seepage water has been identified as affected with high levels of petroleum hydrocarbons as NAPL. Several areas of asbestos impacted soils are present at a shallow depth adjoining the former factory footprint and across the broader site (former rural residential/agricultural areas) in addition to observations/expectations of ACM infrastructure underlying the factory footprint and within uncontrolled fill material known as UCF 4.
1.2	*Identify members of the planning team;*	Primary members of the planning team and additional stakeholders comprise: • Goodman (site owner); • JBS&G Australia Pty Ltd (environmental consultant); • The Contaminated Land Auditor (CLA) (Mr James Davis of EnviroView Pty Ltd); • Department of Planning and Liverpool City Council (planning authority and regulator); • The NSW EPA given the existing EPL and anticipated modification requirements (regulator); and • Vinculum Advisory (project superintendents).
1.3	*Develop/refine the conceptual site model (CSM), including a summary of the exposure scenarios; and*	The most recent CSM is provided as **Section 5**. Potentially complete exposure scenarios that require to be considered with a potential future redevelopment of the site include: • Direct exposures of commercial / industrial workers to site soils present at surface depths; • Direct exposures of potential future sub-surface maintenance workers to soils present at surface and depths over the extent of potential future development lots, road reserves etc and associated excavations; • Potential inhalation exposures of commercial / industrial and sub-surface maintenance workers within indoor environments following volatilisation of constituents; and • Site flora/fauna within the proposed public open space/riparian zone site areas that form ecological receptors (e.g., Badgerys and Wianamatta-South Creek) and potential future on-site flora as landscaped areas within the development lot and road reserve proposed as part of the development plans.
1.4	*Specify the available resources and constraints, such as relevant deadlines for the study, budget, availability of personnel and schedules*	<u>Resources</u> • JBS&G's project team, comprising various environmental professionals inclusive of members accredited as CEnvP (SC) and licensed asbestos assessors (LAAs); and • JBS&G's subcontractors including remediation works personnel and environmental testing facilities. <u>Constraints</u> • Availability of personnel to conduct investigation and remediation works; • Budgetary constraints imposed by the client; and • All works must be undertaken in accordance with the RAP and other in accordance with project consent conditions.

2	Identify the goals of the study – identify the principal study question(s), identify potential alternative actions with implications, and combine these to make statements on the decision or estimation problem.	
2.1	*Identify the principal study question(s);*	The following study questions have been identified with respect to achieving validation for the site: • **Study Question 1**: Has all petroleum infrastructure and associated sub-surface infrastructure as potentially affected by site constituents been appropriately decommissioned and removed? • **Study Question 2**: Have all petroleum hydrocarbon impacted soils and seepage water been excavated and treated to reduce levels of constituents below site validation criteria? • **Study Question 3**: Have all asbestos affected soils been identified, excavated and reinstated within a controlled containment / retention or otherwise remediated by on-site treatment and/or disposed off-site? • **Study Question 4:** Have all aesthetic concerns associated with site materials been identified, excavated and either been the subject of treatment and/or otherwise placed at depths of greater than 3 m below final finished development levels? • **Study Question 5**: Is validation data generated by the remedial works appropriately reliable to be used to validate the site? • **Study Question 6**: Have all surplus materials been appropriately disposed from the site?
2.2	*Identify the alternative outcomes or actions that could result from resolution of the principal study question(s);*	**Study Question 1:** • Infrastructure not able to be removed and associated contamination adjoining infrastructure / within infrastructure unable to be remediated. **Study Question 2:** • Additional impacted soil beyond that anticipated requiring additional excavation / treatment. **Study Question 3:** • Quantity of asbestos impacted soils beyond that which can be retained within the extent of appropriate retention areas within the site. **Study Question 4:** • Quantity of aesthetically impacted soils beyond that which can be retained within the extent that can be placed at depth and/or processed for beneficial reuse within the site. **Study Question 5:** • Data fails assessment of quality assurance / quality control. **Study Question 6:** • Illegal dumping.
2.3	*For decision problems, combine the principal study questions and the alternative actions into decision statements; and*	**Study Question 1** *If:* All site excavations and surface are clear of indicators of potential sub-surface / drainage infrastructure at the completion of the project works *Then:* No further demolition / decommissioning works are required. *Else:* Service has to be retained on the site. Use non-destructive drilling / excavation methods to characterise soils along extent of service as consistent with the validation requirements that are required otherwise. **Study Question 2** *If:* The COPC concentrations are validated below the validation criterion protective of human health and the soils are free of 'strong' indicators of aesthetic impacts (i.e., malodorous or heavily stained) at the extent of remedial excavation and for treated soils. *Then:* No further petroleum hydrocarbon remedial excavations and/or soils treatment are required. *Else:*

2	Identify the goals of the study – identify the principal study question(s), identify potential alternative actions with implications, and combine these to make statements on the decision or estimation problem.	
		Undertake additional excavation and treatment until validation achieved. If treatment fails then dispose impacted soils off-site. **Study Question 3** *If:* Levels of asbestos as identified at hot-spots during remedial works or otherwise by the pre-remediation investigation are excavated and relocated to the nominated containment cell or otherwise treated to remove all asbestos which exceeds the adopted health criteria. *Then:* No further asbestos remediation is required. *Else:* Undertake additional excavation until validation criterion achieved. If excessive quantities are produced, then consider off-site disposal instead of on-site retention. Or consider potential multiple dedicated containment cells as subject to ongoing management. **Study Question 4** *If:* All material characterised with aesthetic impact identified during remedial works or otherwise by the pre-remediation investigation are excavated and either treated to address the impact, or otherwise are placed at greater than 3 m depth. *Then:* No further management of aesthetic impacted material is required *Else:* Undertake additional excavation, treatment and/or placement until validation criterion can be achieved. Alternatively, if excessive quantities are present, then consider off-site disposal instead of treatment/on-site retention. Or consider potential additional areas subject to ongoing management where material may be maintained at lesser depths. **Study Question 5** *If:* Data quality indicators are achieved by a qualitative assessment of compliance with each of quality checks. *Then:* Data can be used to validate the site. *Else:* Repeat validation data collection will be required. **Study Question 6** *If:* Waste classifications are available for all surplus materials, material tracking is available for all surplus materials, receipt facility documentation is available for all disposed materials and receipt facilities were legally able to receive the waste type. *Then:* No further action. *Else:* Investigate potential illegal dumping.

3	Identify information inputs – identify the information needed to formulate and investigate the problem and confirm that appropriate sampling and analytical methods are available.	
3.1	*Identify the information that will be required to resolve the decision statements/estimation, including existing information and new environmental data, and identify the sources for each item of information required;*	Inputs identified to validate the site will include: • The CSM; • Observations during demolition / remedial works; • Validation data at excavation extents; • Validation data of treated materials; • Assessment detailed for materials characterised under the FMP; • Data quality indicators as determined by an assessment of quality assurance / quality control (QA/QC) as detailed in **Section 9.2**; and • Waste classifications, material tracking and tip receipts.

3.2 Identify the information needed to establish the action level; and	Validation criteria as summarised to **Section 3**. Decision rules to assess to each of the validation criterion.
3.3 Confirm that appropriate sampling and analytical methods exist to provide the necessary data.	Sampling and analytical methods will be consistent with relevant NSW EPA prepared and approved guidelines and JBS&G Standard Operating Procedures (SOPs). Analytical laboratories shall be National Association of Testing Authorities (NATA) accredited and use analytical methods undertaken as specific to the target COPCs and the nominated validation criterion.

4	**Define the boundaries of the study - define the target population, the spatial and temporal boundaries associated with the population, examine any practical constraints to collecting data, and factors that affect the selection of the unit which defines the scale of sampling and the scale of decision making or estimation.**
4.1 Define the target subject area of interest and its relevant spatial boundaries;	The subject area comprises the site extent as shown on **Figure 2**. This is referred to as a as Lots 1 to 3 in DP 1278780 and Lots 55 and 56 in DP 3050at the time of preparation of this RAP. The boundaries of the study area comprise: • **Lateral** – **Figure 2**; and • **Vertical** – the vertical extent of the assessment is to a maximum anticipated depth of 3 m below ground level (bgl) as consistent with the reported depth of petroleum hydrocarbon impact as determined through environmental assessments completed as JBS&G (2026) and sufficient to intercept the depth of shallow seepage water affected with petroleum hydrocarbons occurring as LNAPL.
4.2 Define what constitutes a sampling unit; and	Samples to be utilised in the assessment include: • Observation of a site area to confirm removal of petroleum related infrastructure; • Observation of an area of soils to quantify the potential aesthetic impact that is (if) present; • Observation of a site area in relation to the removal and/or treatment of asbestos impacted soils; • Observation of a site area in relation to the removal and/or treatment of aesthetically impacted soils; • Analysis of soil samples from extent of hydrocarbon remedial excavation; • Analysis of soil samples from asbestos / hydrocarbon treated soils; • Analysis of infiltrating seepage water to excavation in area of high level petroleum hydrocarbon impact; • Analysis of soil vapours present within soils at extent of excavation (if required); and • Analysis of soil vapour present within treated soils following treatment (if required).
4.3 Specify the smallest unit on which decisions or estimates will be made.	Individual sample unit. In practice, where individual sample units affect decision outcomes additional data will be collected to reduce decision error potential (i.e. increased sampling frequency in proximity of the sampling unit).

5	**Develop the analytic (statistical) approach - develop a logical "if …, then …, else …" statement that defines the conditions that would cause the decision maker to choose among alternative actions.**
5.1 Specify the statistical parameter that characterises the subject area of interest, such as Mann-Kendall analysis. Where systematic sampling is required, the likely size and shape of the hotspots to be detected should also be defined and justified;	Validation data shall consist of observation data and analytical data. The characterisation of each data set to assess to a validation criterion is nominated following: • Every observation will require to meet criteria as based on observations (i.e. removal of petroleum related infrastructure); • The 95 % confidence level (as calculated by use of the statistical assessment software ProUCL) shall be assessed to criteria provided as protective of human health for chemical contaminants. Comparison shall be further made to the maximum concentration as compared to 2.5 times of the criterion and the standard deviation as compared to 0.5 times of the criterion. Data sets shall be formed from an area of remediation with consideration as relevant to material type.

5	Develop the analytic (statistical) approach - develop a logical "if …, then …, else …" statement that defines the conditions that would cause the decision maker to choose among alternative actions.	
5.2	*Specify the action level for the decision;*	Analytical data as characterised by the statistical parameter nominated in the previous step shall be compared directly to the validation criterion for each specific COPC. Observational data, such as that relating to asbestos and aesthetic issues identified at the site, will be assessed qualitatively.
5.3	*Confirm that measurement detection will allow reliable comparisons with the action level; and*	Samples will be collected and submitted to NATA accredited laboratories. The analytical methods chosen generally provided laboratory Limits of Reporting (LORs) which less than the adopted site assessment criteria. Site observations shall be undertaken by appropriately trained and experienced environmental scientists and engineers as familiar in undertaking works on petroleum and asbestos impacted sites.
5.4	*Combine the outputs from the previous DQOs steps and develop an "if ..., then ..., else ..." theoretical decision rule based on the chosen action level.*	For each distinct source-pathway-receptor linkage identified, which is subject to quantitative statistical assessment, the following decision rule will be followed: If the statistical parameters of the data exceeded the adopted criteria, then a potentially unacceptable risk was identified; and: • Further assessment is required to reduce uncertainty around the extent of potential risks; or • Further remediation and/or management is required to reduce the identified potentially unacceptable risk to low and acceptable levels. If the statistical parameters were below adopted criteria, then no potentially unacceptable risks are identified with relation to the source-pathway-receptor linkage assessed. Statistical assessment is not applicable to asbestos.

6	Specify performance or acceptance criteria - to specify probability limits for false rejection and false acceptance decision errors.	
6.1	*Specify the decision rule as a statistical hypothesis test;*	**Null hypothesis**: contaminated site media present at the site represents an unacceptable risk to future site users. **Alternative hypothesis**: no contaminated media is present at the site which represents an unacceptable risk to future site users.
6.2	*Examine consequences of making incorrect decisions from the test; and*	Possible decision errors include: • **Type I Error:** Deciding that the site is not contaminated when it is (i.e. incorrectly rejecting the null hypothesis); and • **Type II Error:** Deciding that the site is contaminated when it is not (i.e. incorrectly accepting the null hypothesis). Type I errors may result in the materialisation of unacceptable levels of risk to future site users/sensitive receptors under the proposed land use. Type II errors may result in unnecessary additional assessment, remediation and/or ongoing management at the site. Type II errors generally unnecessary works, indicating that site remediation has not been completed in accordance with the RAP.
6.3	*Place acceptable limits on the likelihood of making decision errors, including acceptable alpha (α) and beta (β) risk levels. Methods to determine if sufficient numbers of samples have been collected, and to assess if the assumed hotspot size and shape are justifiable, should also be documented.*	Acceptable limits on the likelihood of making decision errors, an alpha risk (Type I error) of $\alpha = 0.05$, and a beta risk (Type II error) of $\beta = 0.2$ will be applied. For data sets where individual sample results were reported to exceed a site assessment criterion, qualitative analysis will be used to estimate the statistical confidence level required to ensure the acceptable limits on decision error have been achieved. Alternately where a large grid based sampling design is available, the relationship as advised to AS4482.1-2005 (Appendix C) which is based on the α and β errors defined earlier shall be used to determine whether sufficient samples are available within the validation dataset to allow the decision to meet the limits on decision error.

7	Optimise the design for obtaining data – to identify a resource effective sampling and analysis design for generating data that are expected to satisfy the DQOs.	
7.1	*Document the final sampling and analysis design, along with a discussion of the key assumptions underlying this design;*	This has been documented in the remainder of **Section 9**.
7.2	*Detail how the design should be implemented, together with contingency plans for unexpected events;*	This has been documented in the remainder of **Section 9**.
7.3	*Determine the quality assurance and quality control (QA/QC) procedures that would be performed to detect and correct problems to ensure defensible results; and*	This has been documented in the remainder of **Section 9**.
7.4	*Document the operational details and theoretical assumptions of the selected design in the SAQP.*	This has been documented in the remainder of **Section 9**.

9.2 Quality Assurance / Quality Control

The pre-determined Data Quality Indicators (DQIs) established for the project are discussed below in relation to precision, accuracy, representativeness, comparability and completeness (PARCC parameters), and are shown in **Table 9-1**.

- Precision - measures the reproducibility of measurements under a given set of conditions. The precision of the data and sampling techniques is assessed by calculating the Relative Percent Difference (RPD) of duplicate samples;
- Accuracy - measures the bias in a measurement system. The accuracy of the laboratory data that is generated during this study is a measure of the closeness of the analytical results obtained by a method to the 'true' value. Accuracy is assessed by reference to the analytical results of laboratory control samples, laboratory spikes and analyses against reference standards;
- Representativeness –expresses the degree which sample data accurately and precisely represents a characteristic of a population or an environmental condition. Representativeness is achieved by collecting samples on a representative basis across the site, and by using an adequate number of sample locations to characterise the site to the required accuracy;
- Comparability - expresses the confidence with which one data set can be compared with another. This is achieved through maintaining a level of consistency in techniques used to collect samples; ensuring analysing laboratories use consistent analysis techniques and reporting methods; and
- Completeness – is defined as the percentage of measurements made which are judged to be valid measurements. The completeness goal is set at there being sufficient valid data generated during the study.
- Sensitivity – expresses the appropriateness of the chosen laboratory methods, including the limits of reporting, in producing reliable data in relation to the adopted criteria.

Table 9-1 Summary of Quality Assurance / Quality Control Program

Data Quality Objective	Frequency	Data Quality Indicator
Precision		
Blind duplicates (intra laboratory)	1 / 20 primary samples	1-10x LOR – no limit; 10x-30x LOR - <50% relative percent difference (RPD)1 >30x LOR - <30% RPD
Blind duplicates (inter laboratory)	1 / 20 primary samples	
Laboratory duplicates	1 / 20 primary samples	
Accuracy		
Surrogate spikes	All organic samples	70-130 %
Laboratory control samples	1 per lab batch	70-130 %
Matrix spikes	1 per lab batch	70-130 %
Representativeness		
Sampling appropriate for media and analytes	All samples	-[2]
Samples extracted within holding times.	All samples	Soil: organics (14 days), inorganics (6 months), asbestos – no limit
Trip spike (BTEX only)	1 per sampling event	70-130% recovery
Rinsate blank	1 per sampling event	<LOR
Method blank	1 per lab batch	<LOR
Leak Detection	All soil vapour probes	Isopropanol <10% shroud concentration
Comparability		
Standard operating procedures for sample collection & handling	All Samples	All samples
Standard analytical methods used for all analyses	All Samples	NATA accredited methods
Consistent field conditions, sampling staff and laboratory analysis	All Samples	All samples[2]
Limits of reporting appropriate and consistent	All Samples	All samples[2]
Completeness		
Sample description and COCs completed and appropriate	All Samples	All samples[2]
Appropriate documentation	All Samples	All samples[2]
Satisfactory frequency and result for QC samples	All QA/QC samples	95% compliance
Data from critical samples is considered valid	-	Critical samples valid
Sensitivity		
Analytical methods and limits of recovery appropriate for media and adopted Site assessment criteria		All samples

Note: 1 If the RPD between duplicates is greater than the pre-determined data quality indicator, a judgment will be made as to whether the excess is critical in relation to the validation of the data set or unacceptable sampling error is occurring in the field.

2 A qualitative assessment of compliance with standard procedures and appropriate sample collection methods will be completed during the DQI compliance assessment.

9.3 Validation of Excavations formed by Infrastructure Removal

Soil samples are proposed to be collected to validate the extent of excavations formed by petroleum / drainage infrastructure removal.

Sampling requirements under each infrastructure type on the site shall be undertaken consistent with:

- Drainage lines / pits – One sample under each pit sump and 1/20 m for other lines / drains with at least one sample per each length of pipe between pits / sumps. Sampling undertaken adjoining features in the case where drainage lines / pits are retained. Sample collection will target any potential visual staining / olfactory indicators of contamination (if identified);
- Fuel lines / hydraulic oil lines or similar (if identified) – a minimum of one sample under each line at 1/5 m;
- Drainage lines / pits in central and southern portion – One sample under each pit sump and 1/20 m for other lines / drains with at least one sample per each length of pipe between pits / sumps;
- Any stockpiles of backfill / sands as required to be excavated to allow the infrastructure item to be removed – samples at 1/25 m^3 of soils.

Notwithstanding the requirements summarised, validation samples will not be required for areas of infrastructure where excavation / remedial works are undertaken underlying and adjoining the infrastructure following removal. Instead validation shall be undertaken on the basis of the excavation as per the guidance to **Section 9.4**. Where this occurs, validation samples shall target the base / footprint of the former infrastructure.

9.4 Validation of Excavations formed by Soils Excavation

Soil samples shall be collected at all excavations for the purposes of validating that an appropriate extent of excavation has been undertaken.

Soil samples shall be collected at the following frequencies for validation of excavations:

- Excavations less than 100 m2 in extent – Base samples at 1/25 m^2, wall samples at 1/5 m and collection of wall samples at a vertical frequency of 1/1.5 m wall height; and
- Excavations greater than 100 m2 in extent – Base samples at 1/100 m^2, wall samples at 1/10 m and collection of wall samples at a vertical frequency of 1/1.5 m wall height.

If deemed to be required as part of the assessment to assess potential vapour inhalation risks, installation of soil vapour probes to facilitate collection of soil vapour validation samples will occur as per the frequencies outlined above and per the methodology in **Section 9.8**..

9.5 Validation of Treated Materials

Substantial quantities of soils treatment are anticipated with the proposed treatment process consisting of bioremediation of petroleum hydrocarbon impacted soils.

Bioremediated soils shall be initially sampled at a frequency of 4/100 m^3 and samples assessed in the field for visual and olfactory evidence of contamination will be recorded and by use of a photo-ionisation detection (PID). Of each group of four samples, if PID concentrations exceed 1 ppm the sample that reports the highest PID reading shall be submitted for laboratory analysis. Should PID concentrations be low and consistent between samples (based on the principally heavy end contamination present), a judgement will be made by the field scientist based on visual / olfactory differences (if observed). It is noted that it is expected the bioremediated soils will be largely homogenised, and as such, if all PID readings are consistent and no significant visual or olfactory signs of contamination are noted between the samples, analysis of one

randomly selected from the four will be considered suitably representative of the assessed volume (100 m^3) for the purposes of this assessment.

An additional validation step is available for petroleum hydrocarbon impacted treated soils to confirm that levels of soil vapours are below the validation criteria – and to allow the use of the most appropriate vapour based criteria for the assessment of potential vapour intrusion. In these instances the vapour based soil validation criterion would only be referred to, allowing the known overly conservative soil based validation criterion to be disregarded. This shall consist of collection of vapour samples from at least each 100 m^3 (treatment) stockpile and assessed by field screening. Following re-instatement of these treated soils, a soil vapour survey shall be required over the completed excavation surface with soil vapour probes installed on a 10 m spacing. This methodology is detailed in **Section 9.8.3**.

9.6 Validation of Stockpile Bases / Soil Treatment Compound

Impacted soils will be handled in the Soil Treatment Compound in areas which will potentially be present as unsealed ground. At the completion of these remedial works, surface samples shall require to be collected to verify that no contaminated material is still present in the treatment area, and further that contamination of the underlying soils has not occurred.

Samples shall be collected at a frequency of one sample per 10 m spacing (i.e., 1/100 m^2, consistent with excavation bases) and assessed for all contaminants that were present in the soils treatment undertaken within.

Any location of interim stockpiling, as present adjoining an excavation or otherwise, shall be similarly assessed following the stockpiling works at a sampling frequency of one sample per 5 m spacing (i.e. 1/25m^2)

9.7 Validation of Excavation / Seepage Water at Historical BH104/MW101

Remediation by excavation pump and potential treatment of recovered seepage water may potentially occur in the proximity of historical monitoring well location BH104/MW101 underlying the historical factory floor. This remediation step will only occur where additional seepage occurs to the remedial excavation following the removal of the saturated soils. Where these works do occur, then a decision will need to be made as to when to cease excavation pump-out.

A sufficient extent of excavation pump out / seepage water removal will be validated as having occurred when the following conditions have been met:

- A minimum volume of 100 kL has been dewatered and treated; or
- Insignificant recharge, assessed as less than a 0.1 m depth, is measured in the base of the excavation following a period of at least 12 hours of no dewatering; and
- Recharge to the excavation has no aesthetic indicators as consistent with the occurrence of NAPL (i.e. offensive petroleum odours, sheen, discolouration).

The validation assessment shall be completed by Field Scientist observations.

Following confirmation of meeting these criteria, grab samples shall be collected of fresh recharge water to the excavation. A minimum of two water samples shall be collected by lowering a bailer into the excavation, and then transferring to laboratory supplied bottles. The water samples shall be analysed for TRH. Any detections of these constituents shall be assessed to determine the potential health risk by future intrusive worker exposures.

The validation of primary source removal (infrastructure including sumps and pits and any free oil) and secondary sources, including highly impacted soil and seepage water will required to demonstrate sufficient lines of evidence that residual contamination (if identified to be present) does not pose an unacceptable risk to groundwater (either shallow or deep) under the proposed development scenario. It is noted that very

conservative screening criteria are provided for groundwater in **Section 3.6**. Comparison to these criteria shall be undertaken in the first instance. Where any of these criteria are exceeded then a site specific risk assessment shall be undertaken to determine the actual risk posed by the residual impact. This will include an assessment of the potential risk to groundwater and establish if further groundwater characterisation (by installation of monitoring wells) is required to assess the nature and extent of contamination. The Site Auditor shall review the assessment or risk and associated recommendation prior to remedial works being considered complete here and backfilling of the excavation occurring.

Where a potential health risk is identified, additional dewatering and treatment shall be required.

9.7.1 Monitoring of Water Treatment Plant Discharges

A limited program of WTP monitoring has been nominated in **Section 8.10.1** to confirm the Treatment Plant effectiveness to deal with the most impacted water that may be generated by the remedial works. Pre-treatment samples will be collected during establishment of the WTP to inform appropriate operational aspects of the system and allow for pre and post treatment comparisons. Ongoing monitoring shall be required during the remedial works to ensure the effective operation of the plant. This shall consist of a weekly sample of the WTP discharge as collected by direct filling of laboratory supplied bottles.

Water samples shall be assessed for constituents potentially attributable to the remedial works including TRH and VOCs.

9.8 Collection of Soil Vapour Validation Samples

The available soil data does not indicate that there is a potential for vapour intrusion risks associated with the identified hydrocarbon contamination (principally heavy end TRH fractions and no significant co-occurring BTEXN compounds).

Collection of soil vapour validation samples may be nominated by the validation consultant should validation or characterisation data identify the presence of volatile TRH and/or VOCs. This will principally be implemented as a contingency in lieu of the validation approach nominated in the preceding sections..

The method of soil vapour validation sampling at each area / stage of the remedial works is discussed in **Sections 9.8.1** to **9.8.6** following.

9.8.1 Excavations

As noted above, soil vapour validation samples may be collected should potential volatile TRHs or VOC contamination be identified. Samples will be collected from the base of an excavation in instances where unsaturated soils are present and adjoining the walls of an excavation. The soil vapour samples shall be collected by the installation of a soil vapour probe to a typical depth of 1 m (potentially shallower if placed at the base of an excavation and able to be sealed to prevent leakage). Soil vapour probes for wall validation shall be installed at a spacing of 2 m outwards from the wall of the excavation within undisturbed soils. The soil vapour probe:

- Shall be installed within a 100 mm diameter borehole:
- Be constructed of 6 mm diameter LDPE tubing as provided with a stainless steel gauze at the end of the tubing;
- By backfilled with washed 1-2 mm sand adjoining the end of the tubing, a shallow depth of bentonite granules and completed with a bentonite based grout; and
- Be allowed to stabilise for a period of 24 hours prior to sampling.

For the collection of wall vapour validation samples, it is noted that the base of the soil vapour probe shall not extend below the base of the overall excavation. This will only be relevant for the case of shallow excavations.

It is noted that following successful wall validation of excavations, excavations may require to be battered to allow safe worker entry to complete base validation. Alternately soil vapour probes may also be installed within the battered / excavated wall surface.

9.8.2 Treated Soils

A steel probe shall be constructed of an approximate length of 2 m and consisting of a screened section at the lower 0.3 m. The probe shall be driven into a stockpile of treated soils by the use a slam bar and the vapour sample drawn from the top of the steel probe. The sample can be collected immediately following

Laboratory analysis is not strictly required for these samples for validation purposes – as formal vapour validation will be undertaken on the basis of these soils within a backfilled excavation as described following. Samples will be assessed by PID.

9.8.3 Backfilled Excavations

Should, during the remediation works, soil(s) impacted with volatile TRHs be identified and which may be considered to pose a potential vapour intrusion risk be the subject of on-site bioremediation, then excavations that have been backfilled with these bioremediated soils shall require to be validated to confirm that levels of petroleum hydrocarbon vapours in the backfilled soils will not pose a potential vapour intrusion risk. Under this scenario, soil vapour probes shall be installed over the backfilled excavation area on a 10 m spacing as installed to a depth of 1.5 m (or otherwise limited to within the depth of the backfilled treated soils if the excavation was shallower than 1.5 m) and consistent with the installation methodology nominated for excavation walls / bases. The soil vapour probes shall be allowed to stabilise for 24 hours prior to sampling.

9.8.4 Pre-Screening of Vapour Validation Locations

If volatile contaminants are identified during the remediation process further liaison with the site auditor will be completed to ensure validation plans are appropriate. , In brief, it is anticipated a field screening level will be developed to support decision making prior to commencement of vapour validation works. The PID screening level is proposed to be established based on field measurements undertaken using a PID and laboratory analysis of vapour samples to establish a baseline. This screening level shall be adopted for field assessment of the soil vapour probes. In general, a validation sample for laboratory analysis should not be collected unless the screening criteria is exceeded.

9.8.5 Collection of Soil Vapour Sample

Soil vapour samples shall be collected from installed soil vapour probes or otherwise the steel probe to stockpiles (if required to confirm field screening readings). The following sampling methodology shall be adopted:

- The top of the soil vapour tubing / steel pole will be connected to a three-way value (set to the ‘off’ position) via a piece of silicon;
- The three-way valve will be ‘opened’ and a syringe used to check for water held below the slab. If the probe is flooded, it will be removed and re-installed nearby;
- Purging of each pin using a Landfill Gas Meter (GA5000 meter with dedicated methane senor, also measuring oxygen, carbon dioxide, carbon monoxide, hydrogen sulfide and instantaneous flow) and PID until stabilisation of readings;
- Following purging, a leak detection test will be completed via placement of an isopropyl alcohol-soaked rag near to the vapour probe, and the system closed by a large plastic tub / shroud. A long piece of silicon will be connected to the three-way valve to allow sampling outside the shroud. The PID reading inside the shroud will be recorded, and measured from the vapour pin again. Where VOC concentrations were significantly altered (greater than 10 % different) from the stabilised level, this

would indicate there to be a leak, and the soil vapour probe will be reinstalled until the leak detection test is passed;

- Following the leak detection test, a 6 L soil vapour sample will be collected using a calibrated low-flow air pump over a period of 30 minutes. A glass tube containing carbon sorbent media (carbon tube) will be fixed to the end of the nylon tubing and the low flow air pump attached to the rear end of the carbon tube. The air pump will be pre-calibrated and set to withdraw soil vapour at the required flow rate (0.2 L/min) through the carbon tube to allow adsorption of VOCs onto the carbon tube;
- Carbon tube samples will be immediately sealed with end-caps, labelled and stored in individually labelled zip-lock bags (away from sunlight). Carbon tube samples will be transferred with chain of custody documentation to the receiving lab in a small sealed esky at room temperature; and
- A repeat measurement shall be undertaken of the soil vapour probe using the PID following collection of the sample and further using a multi-gas meter. The PID measured levels of volatile, as well as fixed gases including oxygen, carbon dioxide, carbon monoxide, methane and hydrogen sulphide shall be reported.

9.8.6 Field Equipment

Requirements for assessment of validation samples with field equipment, inclusive of the use of a PID, has been identified through the validation sampling descriptions. Multi-gas meters are further proposed to be used with soil vapour sample collection. It shall be ensured that all field instruments are calibrated in accordance with manufacturer specifications with regular calibration checks undertaken during use. All calibration documentation shall require to be included with validation reporting.

9.9 Validation of Emu Picking Asbestos Impacted Soil

JBS&G will conduct visual inspection(s) of each pad by walking 1 m transects to visually inspect the material for the presence of asbestos. Following inspection and confirmation of no visible ACM a bulk soil sample (minimum 10L) will be collected from each pad at a rate of one field sample per 25 m^3. Collected bulk sample will be sieved in the field (≤7mm passing) and separated fragments retained and weighed in the field (or by the laboratory), or spread out on contrasting plastic.

The asbestos concentration as ACM in soil will be calculated in accordance with NEPC (2013) and WA DOH (2009) and based on the weight of collected fragment/s (assuming 15% asbestos content) divided by the weight of the collected 10L soil sample, providing a w/w %. Validation criteria will be adopted in accordance with NEPC (2013) for the permissible land use, being 0.05 % w/w for commercial / industrial development.

In the first instance, the field AQ is considered sufficient to validate the remediation works. It is not proposed to collect and submit samples for laboratory analysis for asbestos fibres, subject to the following qualifiers being met as part of the works;

- No AF/FA reported above the health criterion in initial characterisation samples;
- Bonded ACM fragments observed to be in fair to good condition (i.e., not highly weathered or degraded) as determined by a LAA;
- Methodology employed by the contractor for laying and re-excavating material does not present an increased risk of potential degradation or abrasion of bonded ACM fragments;
- Validated soils will be placed at a depth of >3 m below Final Finished Levels (FFL) based on review of relevant construction plans.

Should any of the above qualifiers not be met, laboratory analysis (500 mL NEPM) will be required to validate materials and concurrent to the field AQ at a rate of one sample per 70 m^3, consistent with DOH (2009) recommended sampling frequencies.

9.10 Validation of Asbestos Excavations

Soil samples shall be collected at the following frequencies for validation of asbestos remediation excavations:

- Excavations less than 100 m2 in extent – Base samples at 1/25 m^2, wall samples at 1/5 m and collection of wall samples at a vertical frequency of 1/1 m wall height (where the excavation wall is >0.2 m in depth); and
- Excavations greater than 100 m2 in extent – Base samples at 1/100 m^2, wall samples at 1/10 m and collection of wall samples at a vertical frequency of 1 m wall height.

For each sample, field quantification will be required as outlined in **Section 9.12**. Where the impact has been identified as being principally bonded in nature (i.e., visual bonded ACM observed and AF/FA <0.001% w/w) the validation will comprise a visual assessment and evaluation of the w/w % of ACM in soil.

Where asbestos impact is friable in nature (i.e., AF/FA >0.001% w/w) and/or ACM is identified to be highly weathered, notably damaged / degraded and/or friable in nature (as per the definitions in Safe Work Australia guidance) and as determined by a competent person/LAA, 500mL soil samples will require to be submitted for asbestos analysis (NEPM protocol).

A visual assessment is considered sufficient where the excavation is extended to natural soil(s) either vertically or laterally and there is no evidence of residual fill material and the initial investigation did not identify the presence of AF/FA exceeding the health criterion.

Clearance certificates will be issued following asbestos removal works, as consistent with the NSW Codes of Practice, prior to re-occupation of areas under normal controls.

9.11 Asbestos Impacted Soil Containment

The preferred remedial method for the asbestos affected soils is long term retention on the site. This shall be undertaken as per a long-term containment strategy. The containment is proposed to be applied to a discrete extent of the site.

The validation of the long-term management of the soils to control potential health risks will be dependent on the two validation components including:

- Installation of a marker layer; and
- Installation of a capping layer.

The validation of each component is discussed further following.

9.11.1 Marker Layer

Visual inspection will be undertaken by the Environmental Consultant to verify the installation of the marker layer across the complete extent of the site where asbestos containment is undertaken. Photographic records and a survey prepared by the Project Surveyor of the marker layer installation, including vertical and lateral extents will be retained for inclusion in the Validation Report.

9.11.2 Capping Layer

Material to be used as a capping layer (other than concrete pavement) must be validated by the Environmental Consultant to be environmentally suitable, consisting of VENM, ENM, suitable on-site materials (i.e. materials from another portion of the development site that are non-impacted) or material considered suitable for beneficial reuse via a resource recovery exemption issued by NSW EPA. Additionally, contaminant concentrations in any capping layer material must not exceed the adopted site validation criteria for soils.

The capping layer must be placed at the thicknesses specified for each capping scenario as detailed in **Section 7.11**.

Photographic records and a survey of the capping layer installation, which details the final thicknesses of the capping layer, including the vertical and lateral extents prepared by the Contractor will be retained for inclusion in the Validation Report. This shall also make reference to the requirements for landscaping soils and zones as consistent with the final development plans (to be prepared).

9.11.3 Ground Surface Validation (Aesthetics)

Prior to the completion of remedial works and following placement of the marker layer, the ground surface of the containment area shall be thoroughly inspected by the environmental consultant to confirm the absence of visual ACM. Should any observable ACM be identified, the area should be emu-picked or capped with 100 mm of environmentally validated soil prior to re-inspection by the environmental consultant.

9.12 Collection of Soil Validation Samples

Soil samples shall be collected by transfer directly to a laboratory supplied sample jar. Where hand trowels, or otherwise the excavator bucket, is required to facilitate collection of samples, soil sample shall be collected so that it has not contacted the sampling implement. All samples shall be additionally assessed in the field by a PID and visually assessed for the inclusion of any anthropogenic inclusions.

Where required, asbestos quantification shall be undertaken by inspection of a 10 L sample from each relevant stratum (or for each 1 m increment) of the sample location in areas where asbestos is being remediated, or otherwise in response to soils where significant anthropogenic inclusions have been observed. Coarse grained fill materials will be passed through a 7 mm sieve in the field over a new plastic sheet. The material captured by the sieve will be inspected for visible asbestos. Where visible asbestos is found, it will be placed in a labelled zip-lock bag. Where certain qualifiers are met (discussed in **Section 9.10** above) a representative 500 mL volume of soil sample material that passes through the 7 mm sieve will be collected in a labelled zip-lock bag and submitted for analysis where visible bonded ACM is identified and/or where a potential AF/FA source is identified. The quantification procedure will also be repeated for fill materials that are not appropriate to be passed through a sieve.

Assessment of the aesthetic indicators of petroleum hydrocarbon impact, to make a determination as to whether the site aesthetic criteria have been exceeded, will include:

- Inspection of soils to identify whether ACM is present;
- Inspection of soils to determine whether visual indicators of petroleum hydrocarbons are present (i.e. sheens, discolouration etc);
- Assessment of soils using the PID and confirmation that an elevated reading (i.e. >10 ppm) is not reported; and
- Initial assessment of soils to determine whether petroleum odours can be recognised. If odours can be recognised, the collection of a further approximate 500 ml sample of soils, placement at 2 m from the Field Scientist / Engineer in an outdoor location and by standing downwind determining whether petroleum odours can be recognised. The assessment shall further be taken away / upwind of any significant sources of petroleum odours on the site. Where no recognition, odours are not strong (or otherwise at a level considered below that which is considered offensive) and the aesthetic criteria are achieved.

The Field Scientist shall be permitted to undertake the '2 m' assessment test on a maximum of three samples at any time. A 'rest time' of at least 10 minutes shall be undertaken between the conduct of each test event to prevent any fatigue of the assessing Field Scientist.

Samples for assessment of petroleum hydrocarbon aesthetic impacts shall be collected as consistent with at least the sampling density as otherwise nominated for excavations and/or treated materials in **Sections 9.3** to **9.5**.

9.13 Validation of Imported Materials

Validation of imported material(s) will be required as consistent with the FMP (**Appendix D**).

For VENM assessments soil samples will be analysed for TRH, BTEX, PAHs, heavy metals, OCPs, PCBs and asbestos.

Sampling of imported ENM will be undertaken in accordance with the requirements of the POEO (Waste) Regulation 2005 – General Exemption under Part 6, Clause 51 and 51A for Excavated Natural Material Exemption (DECCW, NSW, 2009). Similarly if recycled fines, or another NSW EPA exempted product, are received on the site, the materials will require to have been sampled in accordance with the relevant exemption.

Reliance can be made to sampling and analysis undertaken of the material prior to receipt on site where the Environmental Scientist confirms:

- Via an inspection of material on receipt at the site that the material is consistent with the physical description provided to the off-site characterisation description;
- Via an inspection of material on receipt at the site the material is free of anthropogenic materials or other indicators of contamination; and
- Additional sampling and analysis of the material, where required (TRH, BTEX, PAHs, heavy metals, OCPs, PCBs and asbestos) confirms levels of constituents similar to those reported in the off-site characterisation documentation.

9.14 Material Tracking

The movement of all impacted materials (subject to long term containment) on the site is required to be subject to a Material Tracking Plan (MTP). The MTP shall be administered by the environmental consultant with the provision of all required information by the remediation contractor and will generally contain the following elements:

- Date (yyyy/mm/dd);
- Site figure showing source (cut) and placement (fill);
- Estimated volume (cubic metres);
- Type of material (asbestos, petroleum hydrocarbon impacted, VENM etc);
- Depth of source (RL);
- Depth of placement (RL);
- Source (from) information in terms of MGA56 co-ordinates as established by site GPS and/or survey;
- Placement (to) information in terms of MGA56 co-ordinates as established by site GPS and/or survey;
- Source (from) information in terms of site feature (e.g. Building X);
- Placement (to) information in terms of site feature (e.g. under future garden / landscaped zone);
- Reference document (where necessary, i.e. virgin excavated natural material / excavated natural material classification);
- Purpose of placement (i.e. containment, surplus to site requirements etc); and

- Comments (when required).

Material tracking will be inclusive of quarry rehabilitation works and assessment / characterisation documentation conducted for ongoing works (subject to compliance with the FMP).

9.15 Validation Analyte Selection

Table 9-2 following summarises the selection of validation analytes for each validation stage required by the site works.

Table 9-2 Summary of Quality Assurance / Quality Control Program

Remedial / Validation Stage Description	Media and Analyte Selection
Site petroleum hydrocarbon source infrastructure removal (throughout former factory site portion)	Soils: TRH/TPH
Excavation	Soils: TRH/TPH Soil Vapour: TRH (C6-C16) **only required** if validation data or field data (i.e., PID screening) identifies the potential for significant volatile TRH contamination.
Petroleum hydrocarbon treated soils	Soils: TRH/TPH Soil Vapour: Field screening using PID
Backfilled petroleum hydrocarbon treated soils	Soil Vapour: TRH (C6-C16) **only required** if soil validation data collected for treated soil identifies the presence of volatile TRH contamination.
Excavated seepage / water underlying factory floor	Seepage water - TRH/TPH and VOCs
Asbestos impacted area	Asbestos (field quantification and 500 ml sample analysis where deemed to be required, refer to **Section 9.10**)
All stages	Aesthetics

Note: TRH – total recoverable hydrocarbons
TPH – total petroleum hydrocarbons

9.15.1 Laboratories

All laboratories used will require to be NATA registered for the relevant analyses. In addition, the laboratories are required to meet JBS&G's internal QA/QC requirements summarised earlier.

9.16 Validation of Groundwater Condition

Characterisation samples collected to assess broad site conditions (**Section 8.1.2**) will be compared to relevant groundwater criteria presented in **Section 3.** Characterisation data will be obtained to demonstrate that groundwater conditions are either reflective of regional background conditions and/or do not pose an unacceptable risk to site users or downgradient sensitive receptors under the proposed development scenario.

Validation works to address TRH impacted soils and seepage water will require to demonstrate the objectives prescribed by DEC (2007) have been achieved, including removal of primary and secondary sources of contamination to the extent practicable, and that there are no potential ongoing risks to groundwater contamination from residual contamination (which may be present) and that there are no unacceptable risks to future site users or downgradient receptors.

Validation will also require to address identified TRH impacts in proximity to MW1. It is anticipated this will be achieved through additional groundwater assessment at this location as well as characterisation of deep uncontrolled fill in proximity to this morning location in accordance with the FMP.

If any contamination is identified as requiring further remediation / management, an addenda to this RAP or similar will be prepared outlining any requirements for additional works. This will be provided to the Site Auditor for review prior to proceeding with additional works.

9.17 Validation of Recreational / Open Spaces

The small portion of the site proposed as an amenities / recreational area (**Figure 6C**) will require to be validated with respect to the criteria nominated in **Section 3.7**.

9.18 Quarry Rehabilitation Works / Fill Placement Validation

Materials subject to on-site assessment / characterisation in accordance with the FMP will form part of future validation assessments (as required). The following will form part of future validation:

- Assessment documentation – specific documentation relating to the sampling and analysis of site won and/or imported materials in accordance with the FMP (**Appendix D**);
- Documentation of any unexpected finds encountered (if encountered); and
- Surveys / material tracking records (**Section 9.14**) documenting the placement location of all materials within future development lots to confirm confirming the suitability of the materials, from a contamination perspective under the proposed commercial / industrial land use.

9.19 Final Site Inspection(s)

It is expected that a final site inspection shall be undertaken in stages for each development lot (**Figure 7B**) following all works to confirm the following:

- No evidence of remaining site petroleum based or related infrastructure;
- No visual aesthetic indicators of impact; and
- No recognisable petroleum odours as present at walking height over the extent of the site surface that would be considered to be offensive.

An asbestos clearance shall be further issued by a LAA at the completion of relevant asbestos remedial works.

9.20 Validation Report(s)

At the completion of the remedial works, a validation report will be prepared in general accordance with the *Consultants Reporting on Contaminated Land Contaminated Land Guidelines* (EPA 2020), documenting the works as completed. JBS&G note that it is envisioned that staged Validation Reports will be prepared upon final bulk earthworks for each lot. The report(s) will contain information including:

- Details of the remediation works conducted;
- Information demonstrating that the objectives of this RAP have been achieved, in particular the validation sample results and assessment of the data against both the pre-defined DQO and the remediation acceptance (validation) criteria;
- Information demonstrating compliance with appropriate regulations and guidelines;
- Material tracking records particularly including;
- Records on the source of fill utilised to establish site levels including fFill / soil assessment(s) completed under the FMP;
- movement of any contaminated / impacted soils from excavation, to treatment / storage areas, and then return to excavations;

- Any variations to the strategy undertaken during the implementation of the remedial works;
- Results of all environmental monitoring undertaken during the course of the remedial works;
- Details of any environmental incidents occurring during the course of the remedial works and the actions undertaken in response to these incidents;
- Verification of regulatory compliance;
- Details on waste classification, tracking and off-site disposal including landfill dockets;
- The extent of impacted materials as retained (if applicable as per the asbestos contingency scenario); and
- Clear statement of the suitability of the site with respect to permissible land uses.

The report(s) will serve to document the remediation works for future reference.

10. Site Management

10.1 Interim Site Management

An Interim Site Management Plan will require to be prepared for at least the area of asbestos impacted soils identified adjoining the former factory footprint. This is to ensure compliance with the relevant asbestos provisions provided to the *Work Health and Safety Act 2011*. A person with management or control of a workplace must prepare a written asbestos management plan if asbestos or ACM has been identified or is likely to be present. The interim plan, which will take the form of an Asbestos Management Plan (AMP) will require to include the following:

- Identification of Asbestos and ACM: Details on the location, type, and condition of the asbestos (e.g., scattered fragments on the site surface or buried in soil). This should reference or link to the workplace's Asbestos Register, including maps or diagrams of affected areas. Also include locations of warning signs, labels, and barriers to prevent disturbance. For scattered debris, specify if it's friable (requiring immediate priority) or non-friable, based on visual inspections and sampling by a competent person (e.g., NATA-accredited lab testing);
- Decisions and Reasons for Management Options: Outline chosen control measures and justify them based on risk assessments (e.g., why removal, encapsulation, or ongoing monitoring was selected);
- Procedures for Incidents and Emergencies: Step-by-step protocols for handling accidents, spills, or unexpected disturbances of asbestos (e.g. during excavation). Include responsibilities (e.g., who notifies authorities), evacuation procedures, decontamination steps, and emergency contacts. For scattered debris, emphasise immediate isolation of the area, air monitoring if fibres are suspected airborne, and medical surveillance for exposed workers; and
- Worker Consultation, Information, and Training: Details on involving workers (e.g., via health and safety representatives), providing information about risks, and mandatory training. All workers potentially exposed must complete asbestos awareness training; those handling asbestos require specific certification (e.g., from approved courses).

The plan shall require to be authorised by a LAA.

10.2 Occupational Health and Safety

A Work Health and Safety Management Plan (WHSP) shall be prepared by the remedial contractor prior to commencement of remediation works. The objectives of the WHSP are:

- To apply standard procedures that minimises risks to site workers and the general public and adjacent residents resulting from the works;
- To ensure all employees are provided with appropriate training, equipment and support to consistently perform their duties in a safe manner; and
- To have procedures to protect other site workers and the general public.

These objectives will be achieved by:

- Assignment of responsibilities;
- An evaluation of hazards;
- Establishment of personal protection standards, mandatory safety practices and procedures;
- Monitoring of potential hazards and implementation of corrective measures; and
- Provision for contingencies that may arise while operations are being conducted at the site.

The WHSP will require to be sufficiently detailed to address the particular site hazards as associated with under/above ground services, use of plant and machinery within confined spaces (i.e. remedial excavations), contact with contaminated soil (chlorinated / petroleum hydrocarbon) including potential vapour inhalation, and heat stress particularly in respect of PPE.

Prior to commencement of remediation works, the remedial contractor is required to have the WHSP endorsed as acceptable by the environmental consultant, Site Auditor and client.

10.2.1 Asbestos

All asbestos works will require to be undertaken with the relevant requirements of *How to Manage and Control Asbestos in the Workplace Code of Practice*,SWA 2022a). The works shall be undertaken by a SafeWork Class A Accredited Asbestos Removal Contractor.

During any remedial works which are inclusive of the disturbance of surface soils on the site, perimeter asbestos in air monitoring will be conducted at the applicable remedial works area boundary. Air monitoring will be conducted on a daily basis at relevant locations whilst disturbance of asbestos contaminated areas takes place.

Air monitoring will be conducted during any ground disturbance activities within the site to verify that implementation of appropriate control measures has been successful at managing the risk of air borne fibre generation. Air monitoring will be undertaken in accordance with the requirements of the *National Occupational Health and Safety Commission (NOHSC) Asbestos Code of Practice and Guidance Notes*, in particular the Guidance note for the estimation of airborne asbestos dust [NOHSC 3002:2005].

An Asbestos Register will require to be available for the site prior to the commencement of the remediation works and an AMP incorporated into the Remediation Environmental Management Plan described in the following section. This will be able to be prepared as described in **Section 10.1**.

10.3 Environmental Management

Prior to commencement of remediation works, a Remediation Environmental Management Plan (REMP) shall be prepared by the remedial contractor which documents the environmental monitoring and management measures required to be implemented during the remediation related activities associated with the construction of the site.

The REMP shall address each of the nominated items in **Table 10.2** following and shall include the Contingency Plan and Unexpected Finds Protocol, referred to in **Section 8.22**.

Table 10-1 REMP Requirements

Requirement	Inclusion in REMP
1. Dust and Airborne Hazard Control	Dust monitoring. Provisions for dust control based on monitoring results.
2. Flora and Fauna	As appropriate. Not anticipated to be significant noting historically urbanised location.
3. Heritage / Archaeological	None anticipated. To be assessed as Unexpected Finds if identified.
4. Visual Impacts	Visual monitoring at site boundary Specific colour requirements for various controls/measures, including PPE (e.g., masks/coveralls).
5. Emergency Response	As appropriate.

Requirement	Inclusion in REMP
	Procedures required for spill incident response including material storage breach.
6. Noise Control	Hours of operation, consistent with the consent conditions.
7. Traffic	Controls on vehicle movements on public roads. Controls on transport of impacted materials.
8. Protection of Adjoining Structures	Geotechnical supervision / instruction for excavation works in south-western portion of site in area of xylene hot-spot. Excavation extent may approach site boundary.
9. Odour Control	Management of all potential odour generating activities (i.e., excavation of chlorinated hydrocarbon contaminated soils) with appropriate odour controls incorporating safeguards and monitoring. Daily monitoring of odour levels at site boundary during handling of potentially malodorous materials. Procedures for addressing elevated odour monitoring results, including, but not limited to reduction in earthworks activities within odorous material areas during adverse meteorological conditions; application of odour masking solutions at the odour source or between identified source(s) and receptor(s).
10. Handling of Contaminated Soil and Groundwater	Soil and water management (stockpiling, site access, excavation pump out, reinstatement). During handing of contaminated soil and groundwater appropriate management of vapours will be required with appropriate controls to manage potential vapour inhalation. Procedures for addressing potentially elevated vapours including monitoring and implementation of appropriate PPE restricted exclusions zones.
11. Soil Storage/Placement Areas	Soil and water management Stockpiling (including controls for stockpiling of asbestos, chlorinated ethene and xylene impacted soils, site access, reinstatement). Minimisation of requirement to stockpile by direct loading of road tippers with highly impacted materials where possible to proposed stockpiling / retention / treatment locations. Heavy vehicle/personnel decontamination. Site drainage requirements, incorporating clean/dirty areas and modifications to existing surface water and drainage controls beneath retained pavements. Monitoring as required.
12. Stockpiling	No stockpiles of soil or other materials shall be placed on footpaths or nature strips unless prior Council approval has been obtained. All stockpiles of soil or other materials shall be placed away from drainage lines gutters or stormwater pits or inlets. All stockpiles of soil or other materials likely to generate dust or odours shall be covered. All stockpiles of chemically contaminated soil shall be stored in a secure area and be covered if remaining more than 24 hours. Any (and all) stockpiles of asbestos contaminated soils shall be kept damp and covered to minimise potential particulate release, and if left for more than 24 hours, be stored in a secure area.

Requirement	Inclusion in REMP
13. Sediment Control	Bunding. Collection/treatment/handling impacted sediments. Sediment controls to downgradient / downslope site boundaries that may potentially intercept run-off from the site, particularly noting the proposal to remove the site's in-ground stormwater infrastructure.
14. Operation of Site Office	Minimise waste generation.
15. Decontamination of Heavy Equipment	To be undertaken prior to movement out of contamination zones into site clean zones. Demarcation of site with Exclusions zones etc to allow interpretation of requirements.
16. Environmental Monitoring	Monitoring of noise, odour and particulates during excavation works. Additional monitoring for vibration during sheet pile installation works (if undertaken). Assessment to site environmental performance criteria. Monitoring as required for water / dewater releases from the site to confirm no pollution. Inspection checklists and field forms.
17. Environmental Criteria	To be prepared as specific to contaminant and potential media in which they occur. Must at least include speciated criteria for chemical constituents potentially present in air emissions.
18. Material Classification	To be detailed following the fill retention assessment and availability of proposed site cut – fill balance. Material classification required to inform waste classifications for surplus soils and opportunities for re-use.
19. Ecologically sustainable development	To be substantially achieved through waste minimisation and resource conservation. Contaminated soils are the most significant source of waste with the project and the potential requirement to import fill materials is the most significant potential resource consumption.
20. Incident Reporting	As appropriate, including standard form/checklist.
21. Security and Signage	Secure site perimeter. Site boundary signage.
22. Training	All general requirements for construction / working in excavation. Site specific additional training will be required for potential exposures to asbestos, petroleum and chlorinated hydrocarbons.
23. Contact Details	Company/personnel details, including names/phone numbers for: - Principal Contractor - Remediation Consultant - Remediation Contractor - OH&S Compliance - Environmental Compliance

Prior to commencement of remediation works, the remedial contractor is required to have the REMP endorsed as acceptable by the environmental consultant, Site Auditor and client.

11. Conclusions and Recommendations

With reference to the limitations in **Section 12**, the following conclusions and recommendations are provided.

11.1 Conclusions

It is considered that the proposed actions outlined in this RAP conform to EPA requirements because they are: technically feasible; environmentally justifiable; and consistent with relevant laws, policies and guidelines endorsed by NSW EPA.

Subject to the successful implementation of the measures described in this RAP and the recommendations below, it is concluded that the risks posed by potential direct human contact pathways / potential exposure of contaminated soils and/or seepage water can be managed in such a way as to be adequately protective of human health such that the land can be made suitable for the proposed land use. It is further concluded that any potential sources to on-going groundwater impacts will be appropriately addressed by the implementation of the remedial works documented herein.

11.2 Recommendations

It is recommended that the processes outlined in this RAP be implemented to ensure the risks and impacts during remediation and construction works are controlled in an appropriate manner. It is further recommended:

- The proposed development is reviewed following availability of detailed development plans to confirm the consistency with the nature of potential exposures as characterised with the generic development type consisted in this RAP and that which will confirm with the finalised site design;
- Continuing review of the appropriateness of the remedial strategy is undertaken by consultation with the Site Auditor;
- An AMP is prepared to control the exposure to the asbestos hazard prior to the commencement of remedial works;
- A WHSP and REMP inclusive of the AMP and Community and Stakeholder Engagement Plan shall be prepared by the remedial contractor prior to commencement of remediation works; and
- An LTEMP requires to be prepared for the site to ensure the long-term integrity of the containment measure to cause preclusion of access to impacted soils retained underlying the site (asbestos). The LTEMP requires to be endorsed by the Site Auditor prior to occupation of the site.

12. Limitations

This report has been prepared for use by the client who has commissioned the works in accordance with the project brief only, and has been based in part on information obtained from the client and other parties. The report has been prepared specifically for the client for the purposes of the commission, and no warranties, express or implied, are offered to any third parties and no liability will be accepted for use or interpretation of this report by any third party.

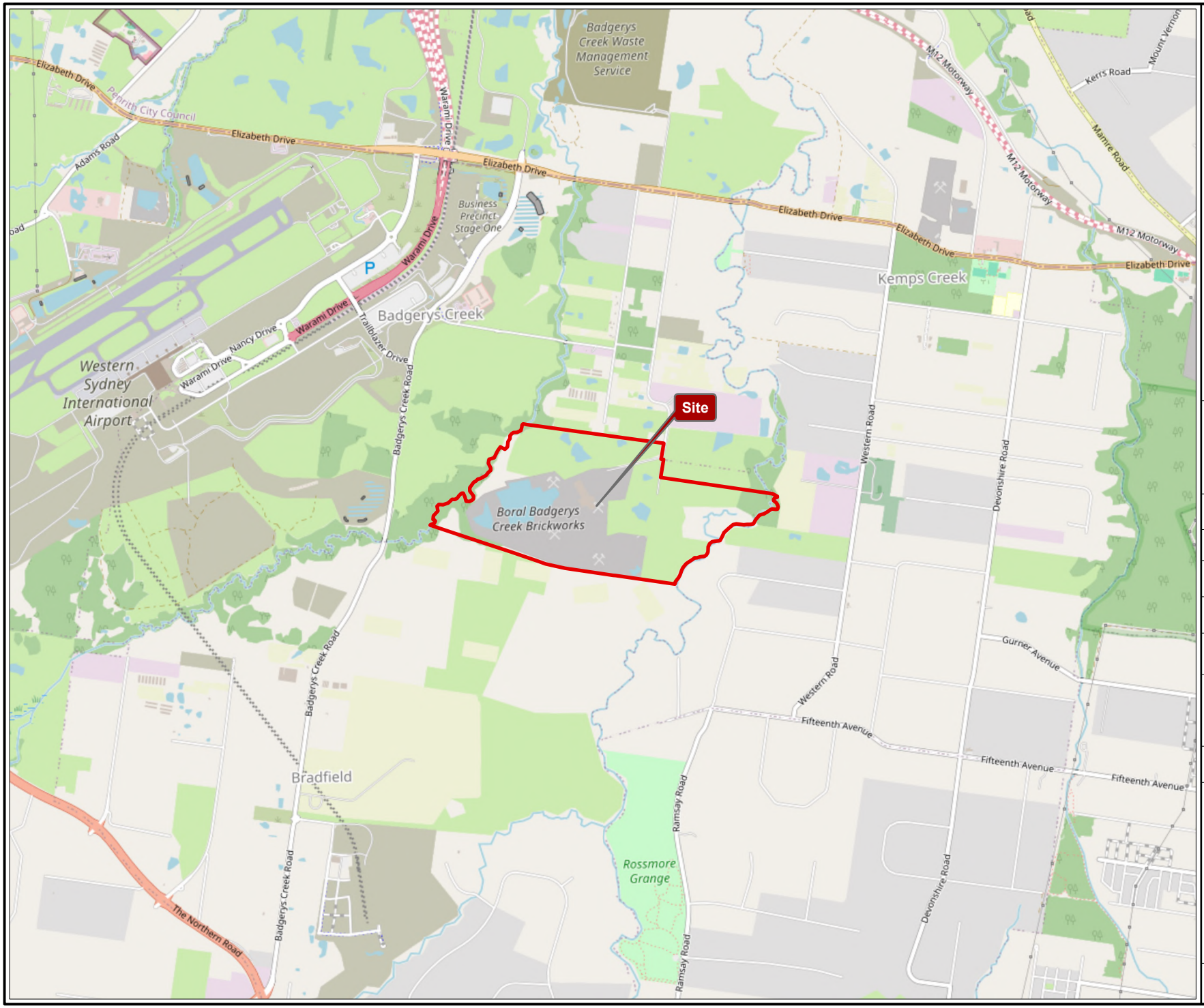
The advice herein relates only to this project and all results conclusions and recommendations made should be reviewed by a competent person with experience in environmental investigations, before being used for any other purpose. This report should not be amended in any way without prior approval by JBS&G, or reproduced other than in full including all attachments as originally provided to the client by JBS&G.

Sampling and chemical analysis of environmental media is based on appropriate guidance documents made and approved by the relevant regulatory authorities. Conclusions arising from the review and assessment of environmental data are based on the sampling and analysis considered appropriate based on the regulatory requirements or agreed scope of work.

Limited sampling and laboratory analyses were undertaken as part of the investigations undertaken, as described herein. Conditions between sampling locations and media may vary, and this should be considered when extrapolating between sampling points. Chemical analytes are based on the information detailed in the site history. Further chemicals or categories of chemicals may exist at the site, which were not identified in the site history and which may not be expected at the site.

Changes to the conditions may occur subsequent to the investigations described herein, through natural processes or through the intentional or accidental addition of contaminants. The conclusions and recommendations reached in this report are based on the information obtained at the time of the investigations.

This report does not provide a complete assessment of the environmental status of the site, and it is limited to the scope defined herein. Should information become available regarding conditions at the site including previously unknown sources of contamination, JBS&G reserves the right to review the report in the context of the additional information.



Legend

Approximate Site Boundary

JBS&G

Job No: 70609	
Client: Goodman	
Version: R04 Rev A	Date 13/02/2026
Drawn By: TS	Checked By: CK

Scale 1:40,000

0 500 1,000

metres

Coord. Sys. GDA2020 MGA Zone 56

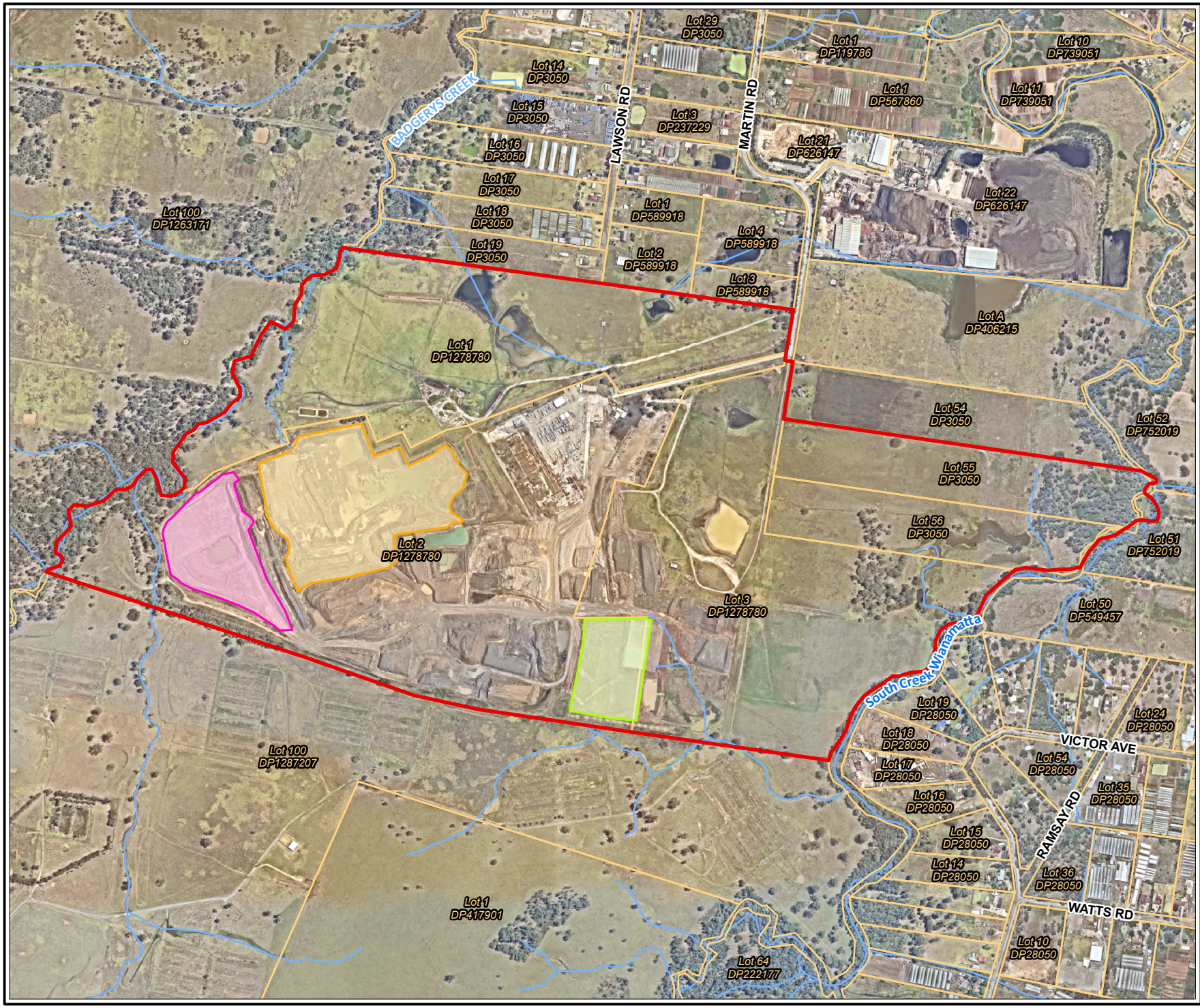
235 Martin Road, Bradfield, NSW

SITE LOCATION

FIGURE 1

File Name: 70609_BradfieldQuarryRehabRemediationWorks_R04RevA

Reference: © OpenStreetMap (and) contributors, CC-BY-SA



Legend

- Approximate Site Boundary
- NSW Cadastre
- Surface Water Line
- Pit 1
- Pit 2
- Pit 3

JBS&G

Job No: 70609	
Client: Goodman	
Version: R04 Rev A	Date 13/02/2026
Drawn By: TS	Checked By: CK

Scale 1:12,500

0 200 400
metres

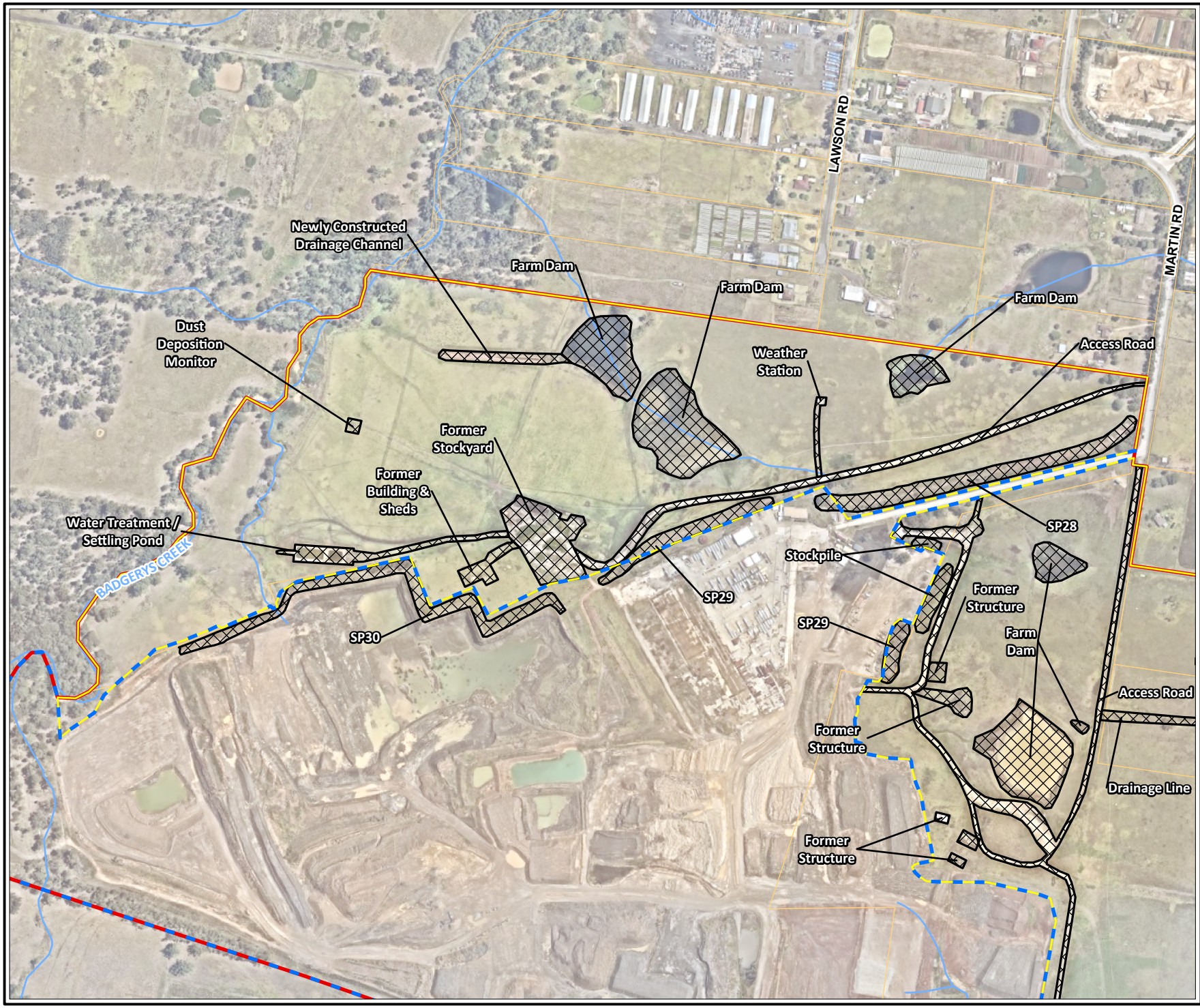
Coord. Sys. GDA2020 MGA Zone 56

235 Martin Road, Bradfield, NSW

SITE LAYOUT

FIGURE 2

File Name: 70609_BradfieldQuarryRehabRemediationWorks_R04RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 14/12/2025)



Legend

- Approximate Site Boundary
- NSW Cadastre
- Hydro Line
- Topsoil Assessment Boundaries
- Active Quarry Qperations Area
- Site Feature

JBS&G

Job No: 70609	
Client: Goodman	
Version: R04 Rev A	Date 18/03/2026
Drawn By: TS	Checked By: CK

Scale 1:7,250

0 150 300

metres

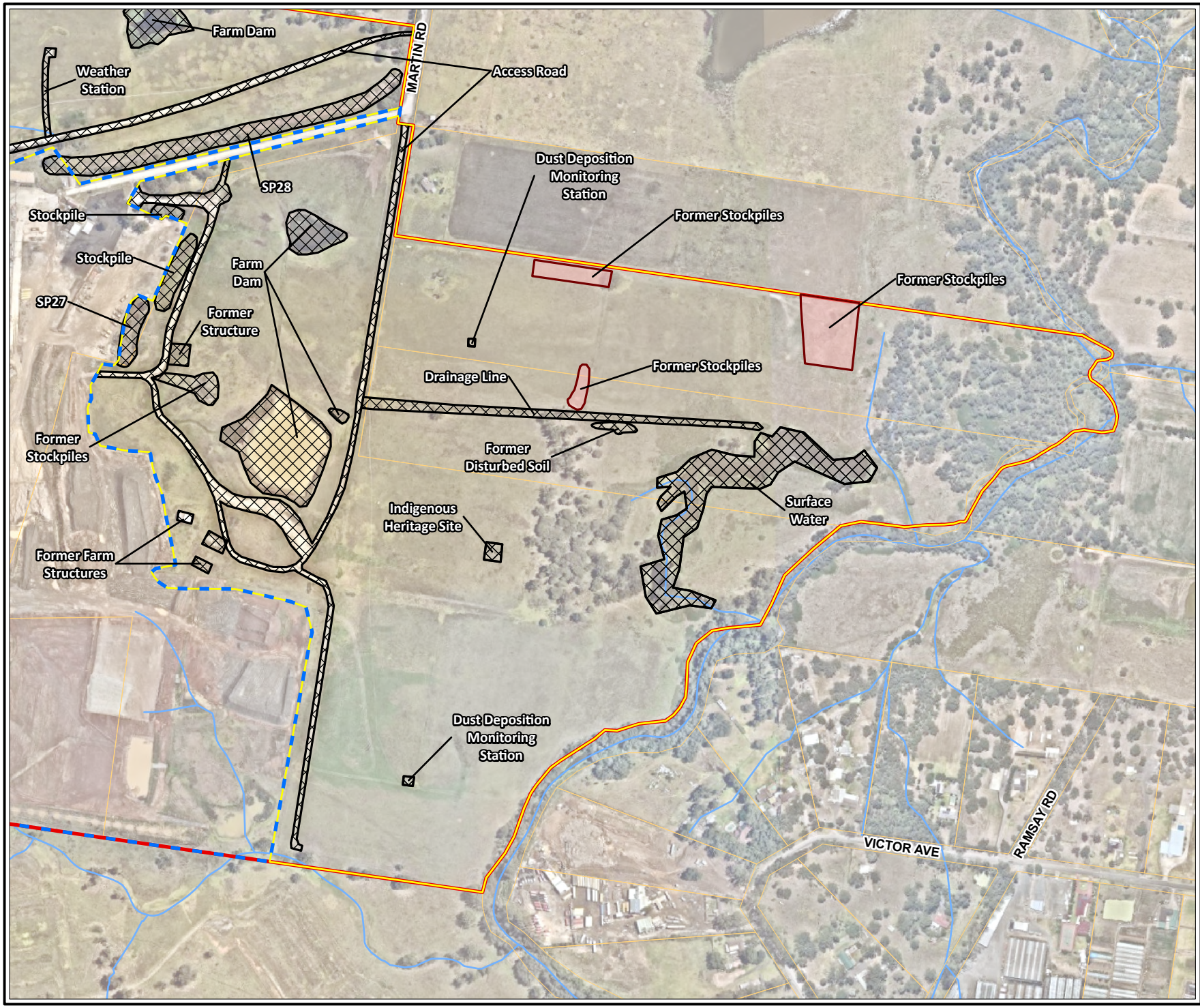
Coord. Sys. GDA2020 MGA Zone 56

235 Martin Road, Bradfield, NSW

NORTHERN FARMLAND AREA

FIGURE 3A

File Name: 70609_BradfieldQuarryRehabRemediationWorks_R04RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 14/12/2025)



Legend

- Approximate Site Boundary
- NSW Cadastre
- Hydro Line
- Topsoil Assessment Boundaries
- Active Quarry Qperations Area
- Previous Illegal Dumping - Validated by Greencap (2019)
- Site Feature

JBS&G

Job No: 70609	
Client: Goodman	
Version: R04 Rev A	Date 18/03/2026
Drawn By: TS	Checked By: CK

Scale 1:6,500

0 100 200

metres

Coord. Sys. GDA2020 MGA Zone 56

235 Martin Road, Bradfield, NSW

EASTERN FARMLAND AREA

FIGURE 3B

File Name: 70609_BradfieldQuarryRehabRemediationWorks_R04RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 14/12/2025)



Legend

- Approximate Site Boundary
- NSW Cadastre

Site Features

- ACM Observed on Surface
- Building Infrastructure
- Concrete Bay (Potential Service Bay)
- Former Building Infrastructure
- Former Hazardous Chemical Storage Area
- Former Transistors
- Former UST Area (removed)
- Metal Trenches Area/Oil Staining on Surface
- Oil/Water Separator and Former Refueling Area
- Below Ground Septic Tank
- Sewer Irrigation Area
- Unknown Tiled Drainage Area
- Above Ground Water Tank
- Former Factory Footprint
- Stockpile Footprints

JBS&G

Job No: 70609

Client: Goodman

Version: R04 Rev A	Date 24/02/2026
Drawn By: TS	Checked By: CK

Scale 1:2,350

0 50 100

metres

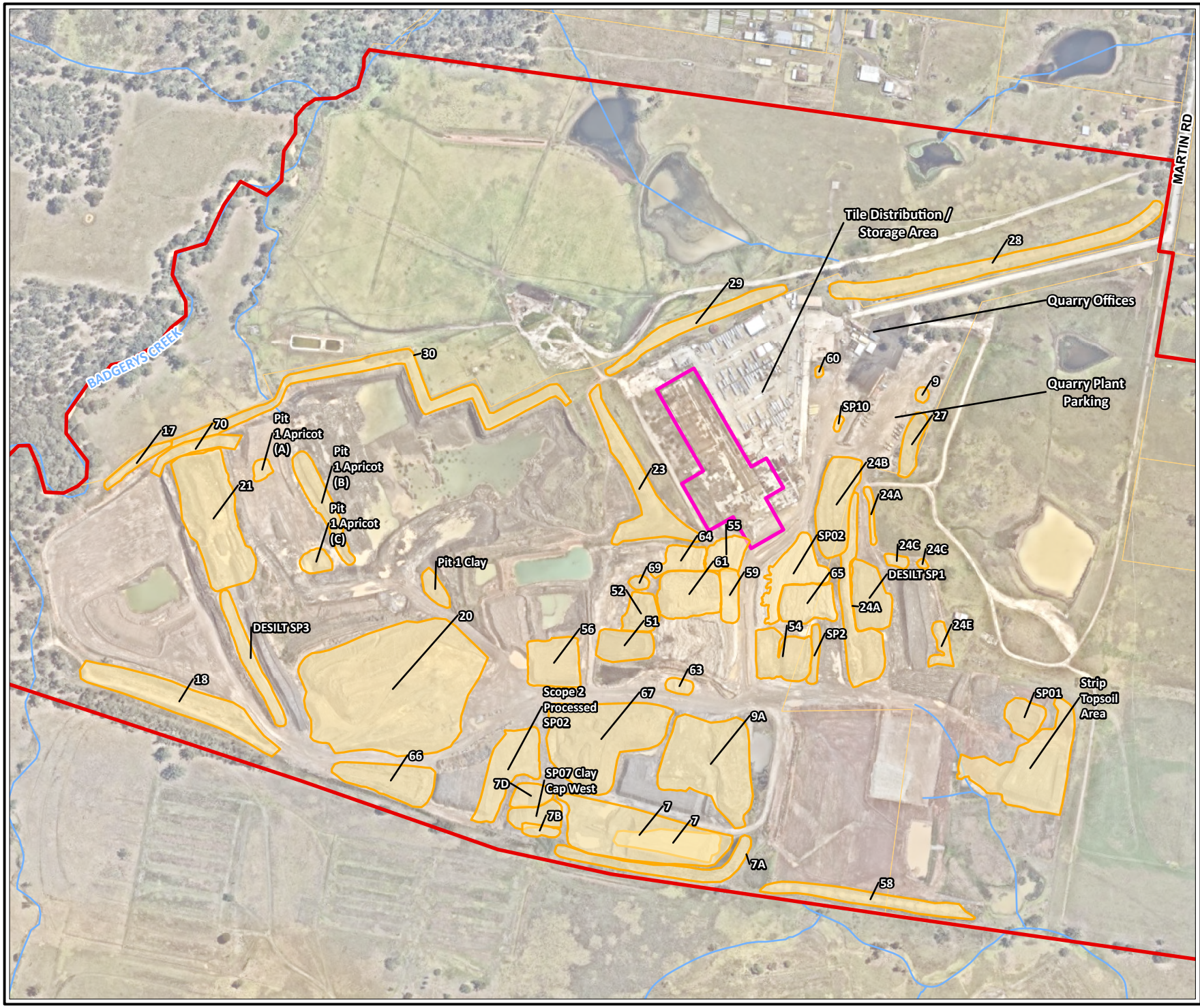
Coord. Sys. GDA2020 MGA Zone 56

235 Martin Road,
Bradfield, NSW

FACTORY FOOTPRINT

FIGURE 3C

File Name: 70609_BradfieldQuarryRehabRemediationWorks_R04RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 20/10/2025)



Legend

- Approximate Site Boundary
- NSW Cadastre

Site Features

- Former Factory Footprint
- Stockpile Footprints

JBS&G

Job No: 70609	
Client: Goodman	
Version: R04 Rev A	Date 19/02/2026
Drawn By: TS	Checked By: CK
Scale 1:7,000	

0 100 200
metres

Coord. Sys. GDA2020 MGA Zone 56

235 Martin Road, Bradfield, NSW

ACTIVE QUARRY AREA

FIGURE 3D

File Name: 70609_BradfieldQuarryRehabRemediationWorks_R04RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 14/12/2025)



Legend

- Approximate Site Boundary
- NSW Cadastre
- Hydro Line

Areas of Environmental Concern

- AEC 2: Former Brick Making Factory
- AEC 4: Former Farm Structures
- AEC 6: On-site sewer treatment infrastructure
- AEC 10: Topsoil Across Farmland Areas
- Stockpile Footprints
- Test Pit Locations

JBS&G

Job No: 70609	
Client: Goodman	
Version: R04 Rev A	Date 19/03/2026
Drawn By: TS	Checked By: CK
Scale 1:7,000	

0 100 200
metres

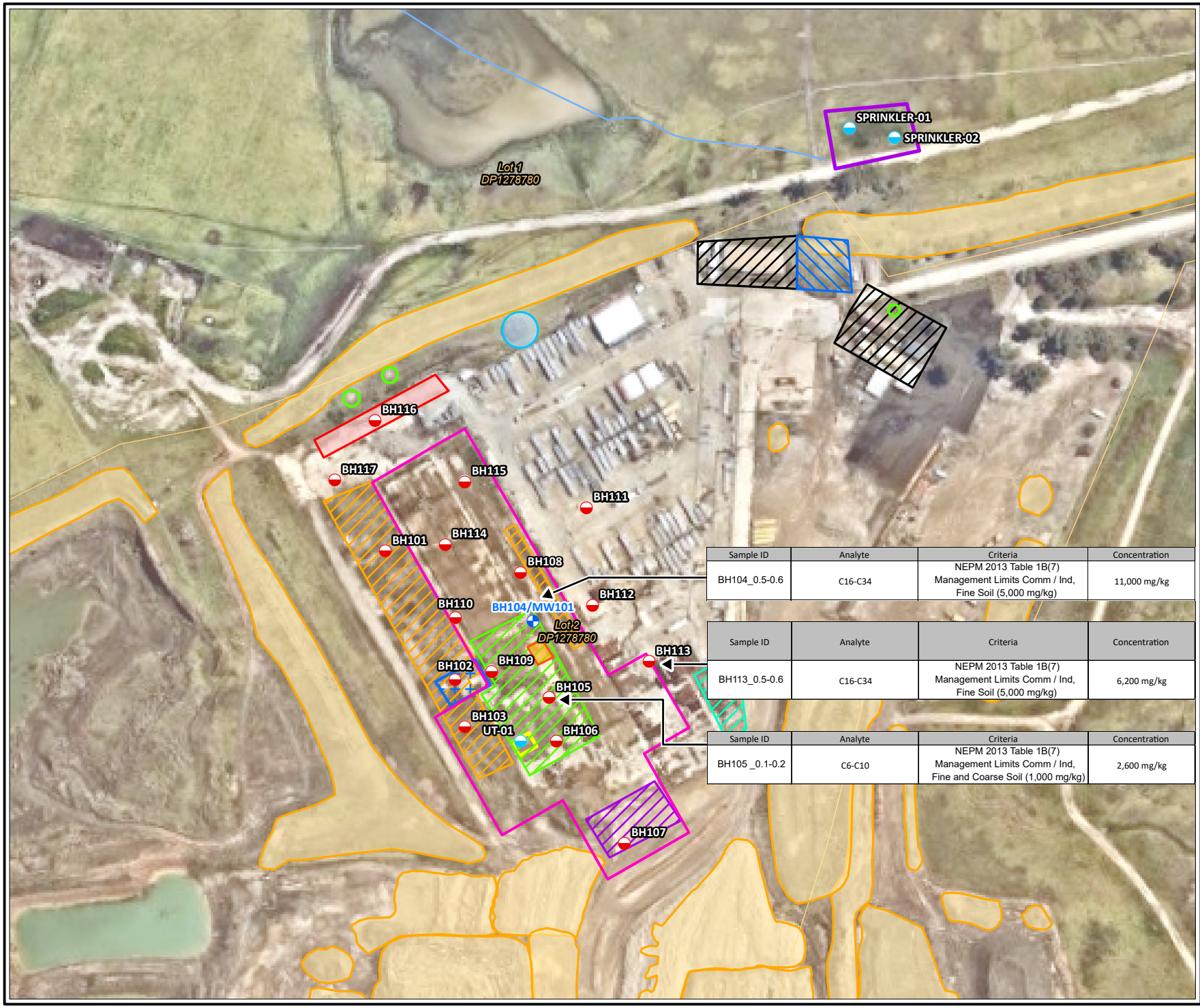
Coord. Sys. GDA2020 MGA Zone 56

235 Martin Road, Bradfield, NSW

HISTORIC TEST PIT LOCATIONS

FIGURE 4A

File Name: 70609_BradfieldQuarryRehabRemediationWorks_R04RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 14/12/2025)



Sample ID	Analyte	Criteria	Concentration
BH104_0.5-0.6	C16-C34	NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil (5,000 mg/kg)	11,000 mg/kg

Sample ID	Analyte	Criteria	Concentration
BH113_0.5-0.6	C16-C34	NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil (5,000 mg/kg)	6,200 mg/kg

Sample ID	Analyte	Criteria	Concentration
BH105 _0.1-0.2	C6-C10	NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine and Coarse Soil (1,000 mg/kg)	2,600 mg/kg

Legend

- Approximate Site Boundary
- NSW Cadastre
- Hydro Line

Site Features

- ACM Observed on Surface
- Building Infrastructure
- Concrete Bay (Potential Service Bay)
- Former Building Infrastructure
- Former Hazardous Chemical Storage Area
- Former Transistors
- Former UST Area (removed)
- Metal Trenches Area/Oil Staining on Surface
- Oil/Water Separator and Former Refueling Area
- Below Ground Septic Tank
- Sewer Irrigation Area
- Unknown Tiled Drainage Area
- Above Ground Water Tank
- Former Factory Footprint

Sample Locations

- Boreholes
- Surface Samples
- JBS&G 2025 Groundwater Monitoring Well

JBS&G

Job No: 70609

Client: Goodman

Version: R04 Rev A | Date 19/03/2026

Drawn By: TS | Checked By: CK

Scale 1:2,800

0 50 100

metres

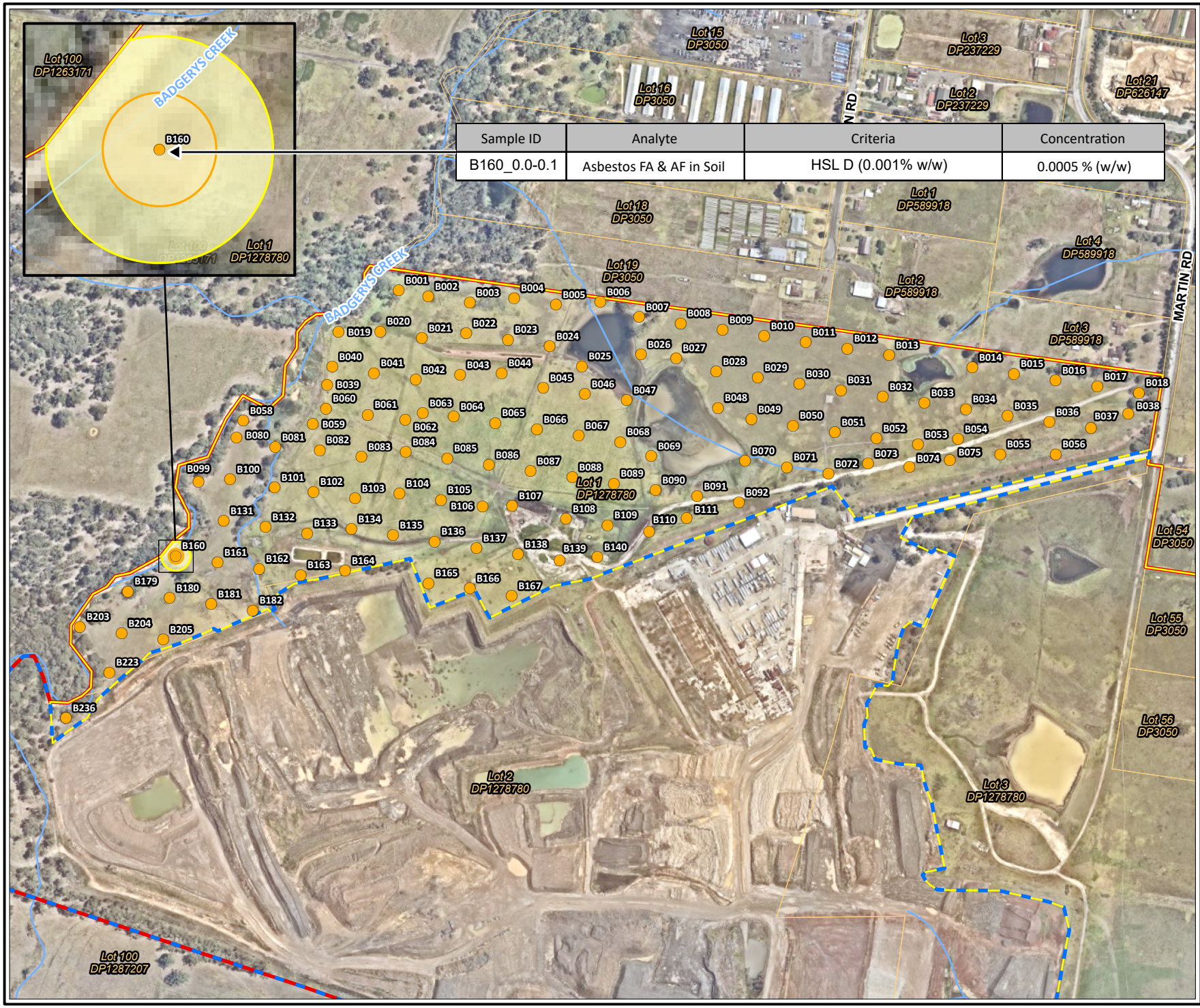
Coord. Sys. GDA2020 MGA Zone 56

235 Martin Road, Bradfield, NSW

HISTORIC BOREHOLE AND SURFACE SAMPLE LOCATIONS

FIGURE 4B

File Name: 70609_BradfieldQuarryRehabRemediationWorks_R04RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 14/12/2025)



Sample ID	Analyte	Criteria	Concentration
B160_0.0-0.1	Asbestos FA & AF in Soil	HSL D (0.001% w/w)	0.0005 % (w/w)

Legend

- Approximate Site Boundary
- NSW Cadastre
- Hydro Line
- Topsoil Assessment Boundaries
- Active Quarry Qperations Area

Area for Further Assessment

- B160-UF (10m Radius)
- B160-UF (20m Radius)
- Topsoil Assessment Locations

JBS&G

Job No: 70609

Client: Goodman

Version: R04 Rev A | Date 19/03/2026

Drawn By: TS | Checked By: CK

Scale 1:7,100

0 100 200

metres

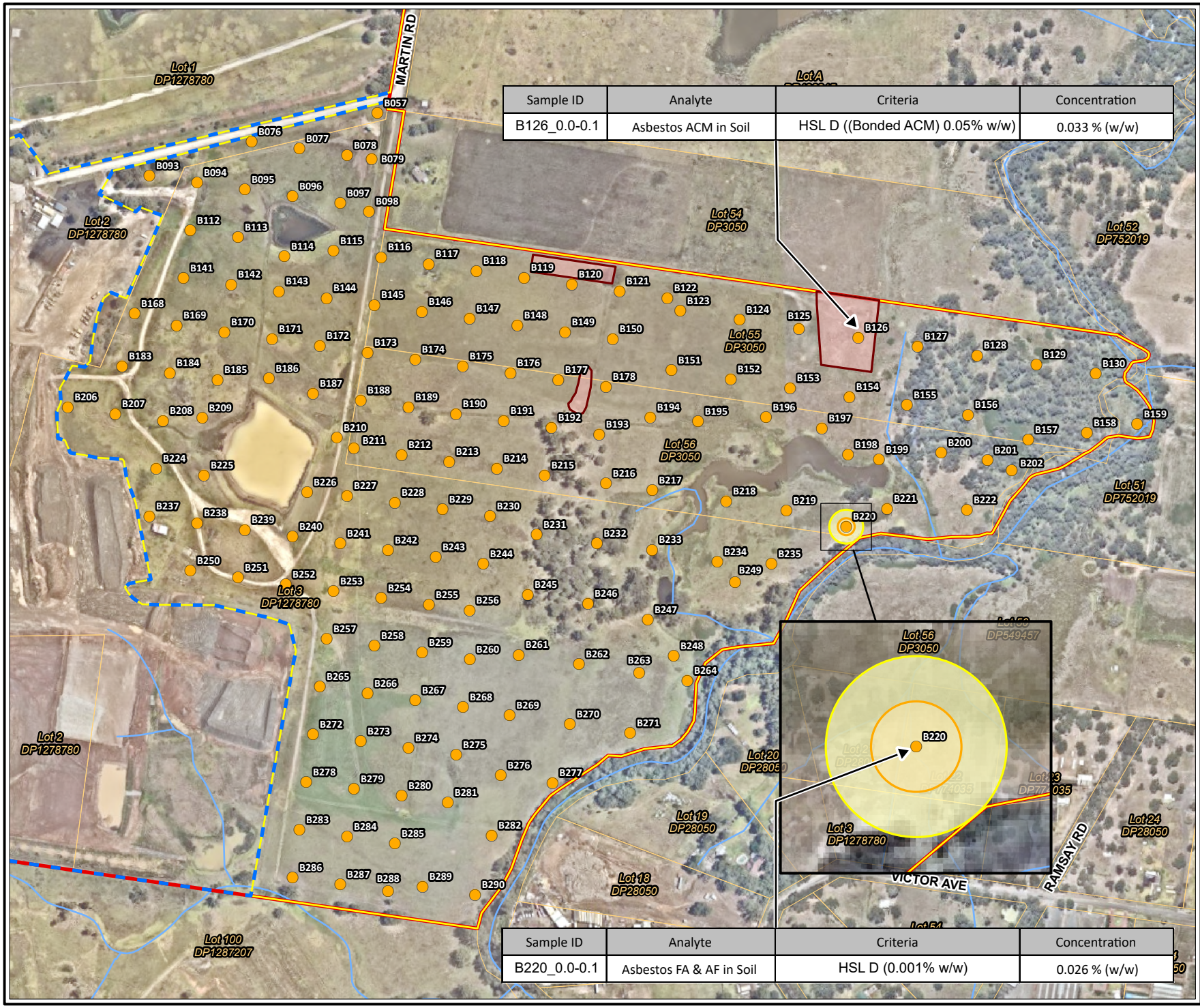
Coord. Sys. GDA2020 MGA Zone 56

235 Martin Road, Bradfield, NSW

HISTORICAL NORTHERN FARMLAND TOPSOIL SAMPLING LOCATIONS

FIGURE 4C

File Name: 70609_BradfieldQuarryRehabRemediationWorks_R04RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 14/12/2025)



Sample ID	Analyte	Criteria	Concentration
B126_0.0-0.1	Asbestos ACM in Soil	HSL D ((Bonded ACM) 0.05% w/w)	0.033 % (w/w)

Sample ID	Analyte	Criteria	Concentration
B220_0.0-0.1	Asbestos FA & AF in Soil	HSL D (0.001% w/w)	0.026 % (w/w)

Legend

- Approximate Site Boundary
- NSW Cadastre
- Hydro Line
- Topsoil Assessment Boundaries
- Active Quarry Qperations Area

Unexpected Finds

- B220-UF (10m Radius)
- B220-UF (20m Radius)
- Previous Illegal Dumping - Validated by Greencap (2019)
- Topsoil Assessment Locations

JBS&G

Job No: 70609

Client: Goodman

Version: R04 Rev A | Date 19/03/2026

Drawn By: TS | Checked By: CK

Scale 1:6,100

0 100 200

metres

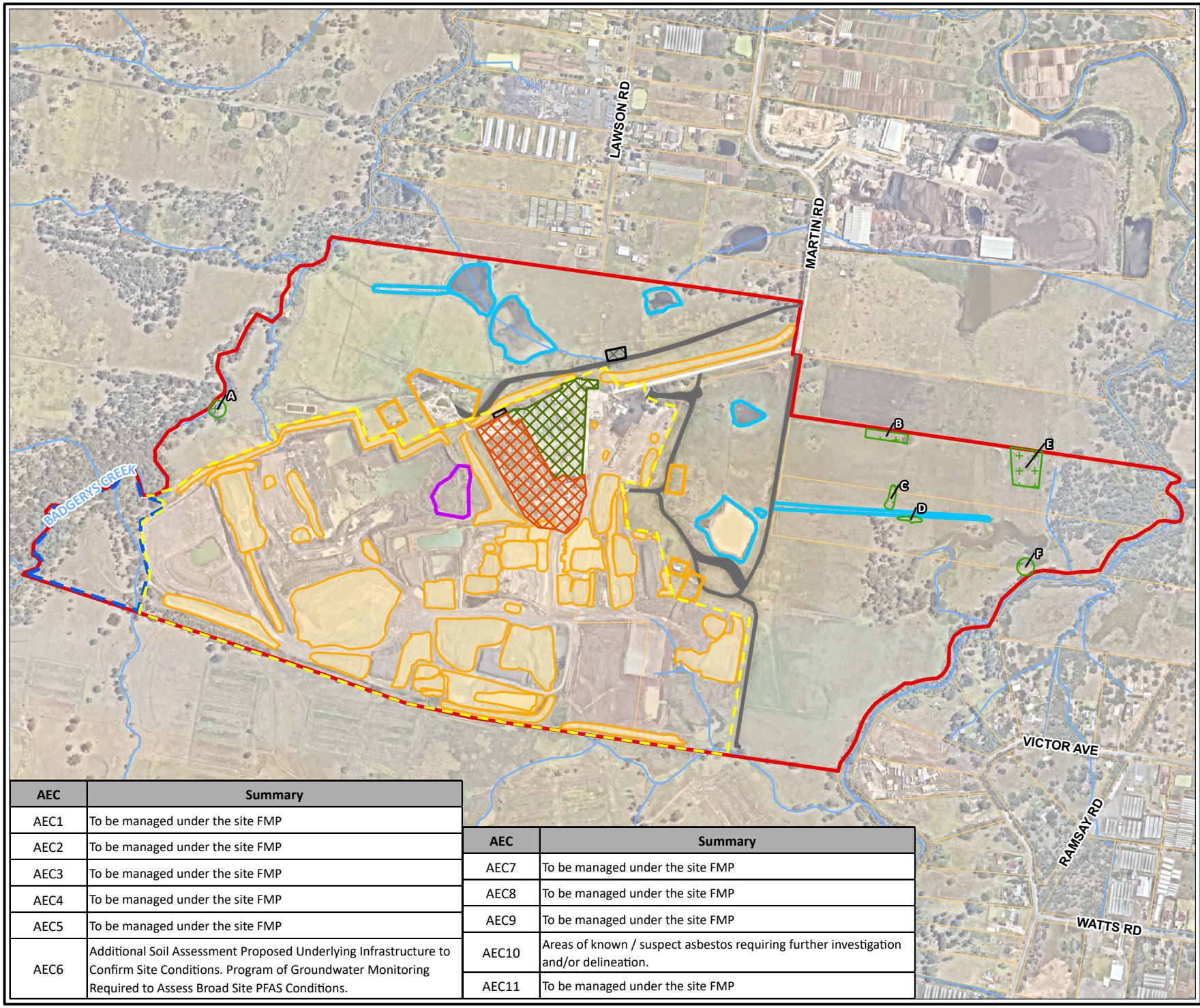
Coord. Sys. GDA2020 MGA Zone 56

235 Martin Road, Bradfield, NSW

HISTORICAL EASTERN FARMLAND TOPSOIL SAMPLING LOCATIONS

FIGURE 4D

File Name: 70609_BradfieldQuarryRehabRemediationWorks_R04RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 14/12/2025)



Legend

- Approximate Site Boundary
- NSW Cadastre
- Hydro Line

Areas of Environmental Concern

- AEC1: Active Quarry/Rehabilitation Area/Quarry Offices, Carpark and Plant Storage
- AEC 2: Former Brick Making Factory
- AEC 3: Tile Storage and Distribution Centre
- AEC 4: Former Farm Structures
- AEC 5: Fill Area '19'
- AEC 6: On-site sewer treatment infrastructure
- AEC 7: Farm Dams and Drainage Channels
- AEC 8: Internal Access Roads
- AEC 9: Stockpiles Generated from Quarrying Activities
- AEC 10 Refined
- AEC11: Fill Area 'UCF 4'

JBS&G

Job No: 70609

Client: Goodman

Version: R04 Rev A	Date 24/02/2026
Drawn By: TS	Checked By: CK

Scale 1:12,000

0 200 400

metres

Coord. Sys. GDA2020 MGA Zone 56

235 Martin Road, Bradfield, NSW

SUMMARY OF FURTHER INVESTIGATION/REMEDIAL AREAS

FIGURE 5

AEC	Summary
AEC1	To be managed under the site FMP
AEC2	To be managed under the site FMP
AEC3	To be managed under the site FMP
AEC4	To be managed under the site FMP
AEC5	To be managed under the site FMP
AEC6	Additional Soil Assessment Proposed Underlying Infrastructure to Confirm Site Conditions. Program of Groundwater Monitoring Required to Assess Broad Site PFAS Conditions.

AEC	Summary
AEC7	To be managed under the site FMP
AEC8	To be managed under the site FMP
AEC9	To be managed under the site FMP
AEC10	Areas of known / suspect asbestos requiring further investigation and/or delineation.
AEC11	To be managed under the site FMP

File Name: 70609_BradfieldQuarryRehabRemediationWorks_R04RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 14/12/2025)



Legend

- Approximate Site Boundary
- NSW Cadastre
- Hydro Line
- Estimated Asbestos Remedial Extent
- Estimated TRH Remedial Extent
- Sample Location TRH in Soil Exceeding Management Limit
- LNAPL Impact

JBS&G

Job No: 70609	
Client: Goodman	
Version: R04 Rev A	Date 18/03/2026
Drawn By: TS	Checked By: CK
Scale 1:3,000	

0 50 100
metres

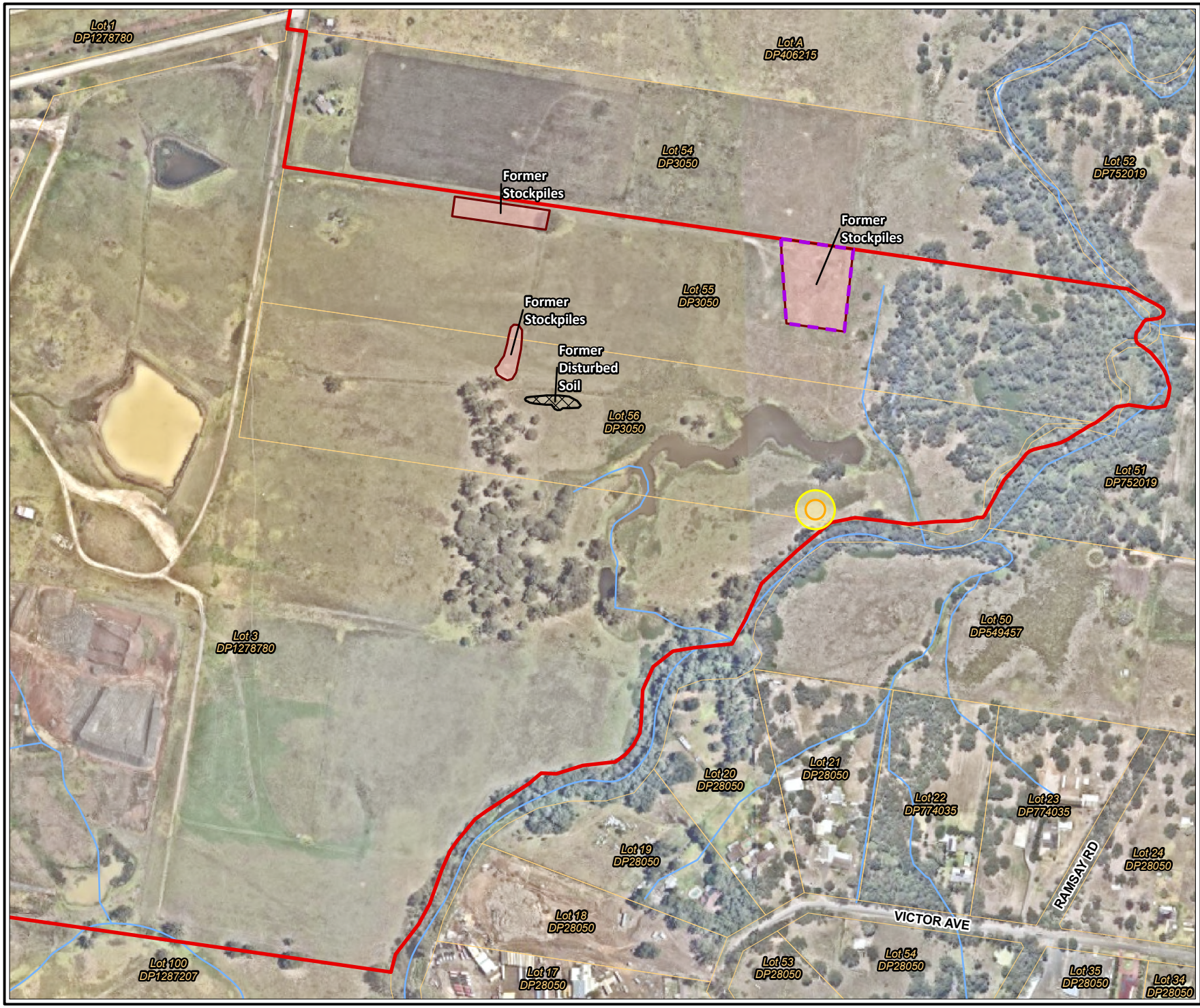
Coord. Sys. GDA2020 MGA Zone 56

235 Martin Road,
Bradfield, NSW

ESTIMATED TRH AND ASBESTOS REMEDIAL EXTENT – FACTORY FOOTPRINT

FIGURE 6A

File Name: 70609_BradfieldQuarryRehabRemediationWorks_R04RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 14/12/2025)



Legend

- Approximate Site Boundary
- NSW Cadastre
- Hydro Line

Unexpected Finds

- B220-UF (10m Radius)
- B220-UF (20m Radius)
- B126-UF
- Previous Illegal Dumping - Validated by Greencap (2019)
- Site Feature

JBS&G

Job No: 70609	
Client: Goodman	
Version: R04 Rev A	Date 19/02/2026
Drawn By: TS	Checked By: CK
Scale 1:5,299	

0 50 100
metres

Coord. Sys. GDA2020 MGA Zone 56

235 Martin Road, Bradfield, NSW

ASBESTOS REMEDIAL AREAS AND/OR AREAS REQUIRING FURTHER INVESTIGATION

FIGURE 6B

File Name: 70609_BradfieldQuarryRehabRemediationWorks_R04RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 14/12/2025)



Legend

- Approximate Site Boundary
- NSW Cadastre
- Hydro Line

Area for Further Assessment

- B160-UF (20m Radius)

Site Features

- Future Public Open Space Area

JBS&G

Job No: 70609	
Client: Goodman	
Version: R04 Rev A	Date 18/03/2026
Drawn By: TS	Checked By: CK
Scale 1:4,640	

0 100 200

metres

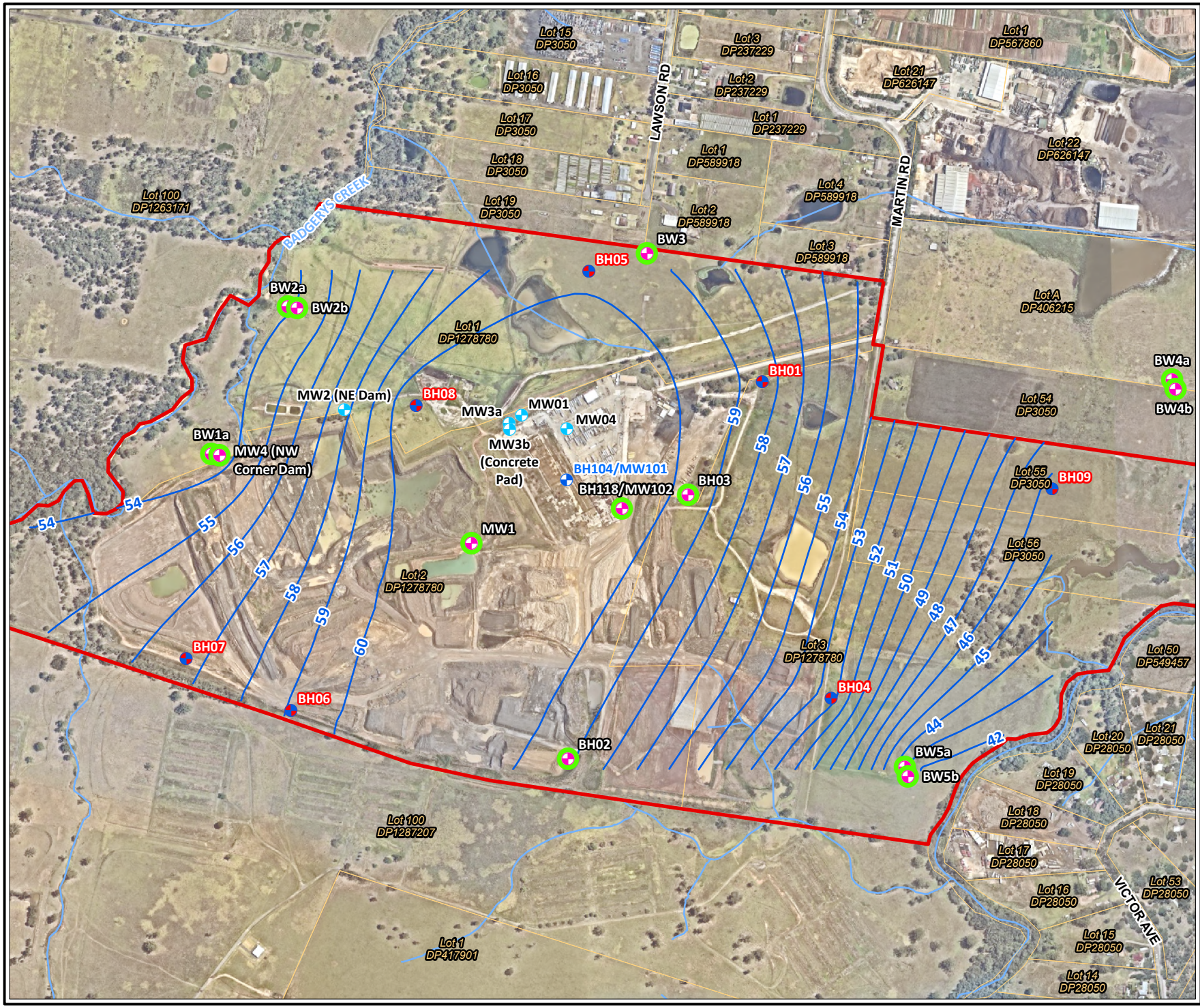
Coord. Sys. GDA2020 MGA Zone 56

235 Martin Road,
Bradfield, NSW

NORTHERN FARMLAND ASBESTOS DELINEATION AREA AND FUTURE PUBLIC OPEN SPACE AREA

FIGURE 6C

File Name: 70609_BradfieldQuarryRehabRemediationWorks_R04RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 14/12/2025)



Legend

- Approximate Site Boundary
- NSW Cadastre
- Hydro Line
- Arcadis 2025 Groundwater Contours
- CSR Period Groundwater Monitoring Well
- GW Monitoring Well Proposed for Additional Sampling
- JBS&G 2025 Groundwater Monitoring Well
- Arcadis 2025 Groundwater Wells

JBS&G

Job No: 70609	
Client: Goodman	
Version: R04 Rev A	Date 18/03/2026
Drawn By: TS	Checked By: CK
Scale 1:10,000	

0 100 200
metres

Coord. Sys. GDA2020 MGA Zone 56

235 Martin Road, Bradfield, NSW

HISTORIC GROUNDWATER MONITORING WELLS AND PROPOSED SAMPLE LOCATIONS

FIGURE 6D

File Name: 70609_BradfieldQuarryRehabRemediationWorks_R04RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 14/12/2025)



Legend

- Approximate Site Boundary
- NSW Cadastre
- Surface Water Line

JBS&G

Job No: 70609	
Client: Goodman	
Version: R04 Rev A	Date 18/03/2026
Drawn By: TS	Checked By: CK
Scale 1:12,936	

0 100 200

metres

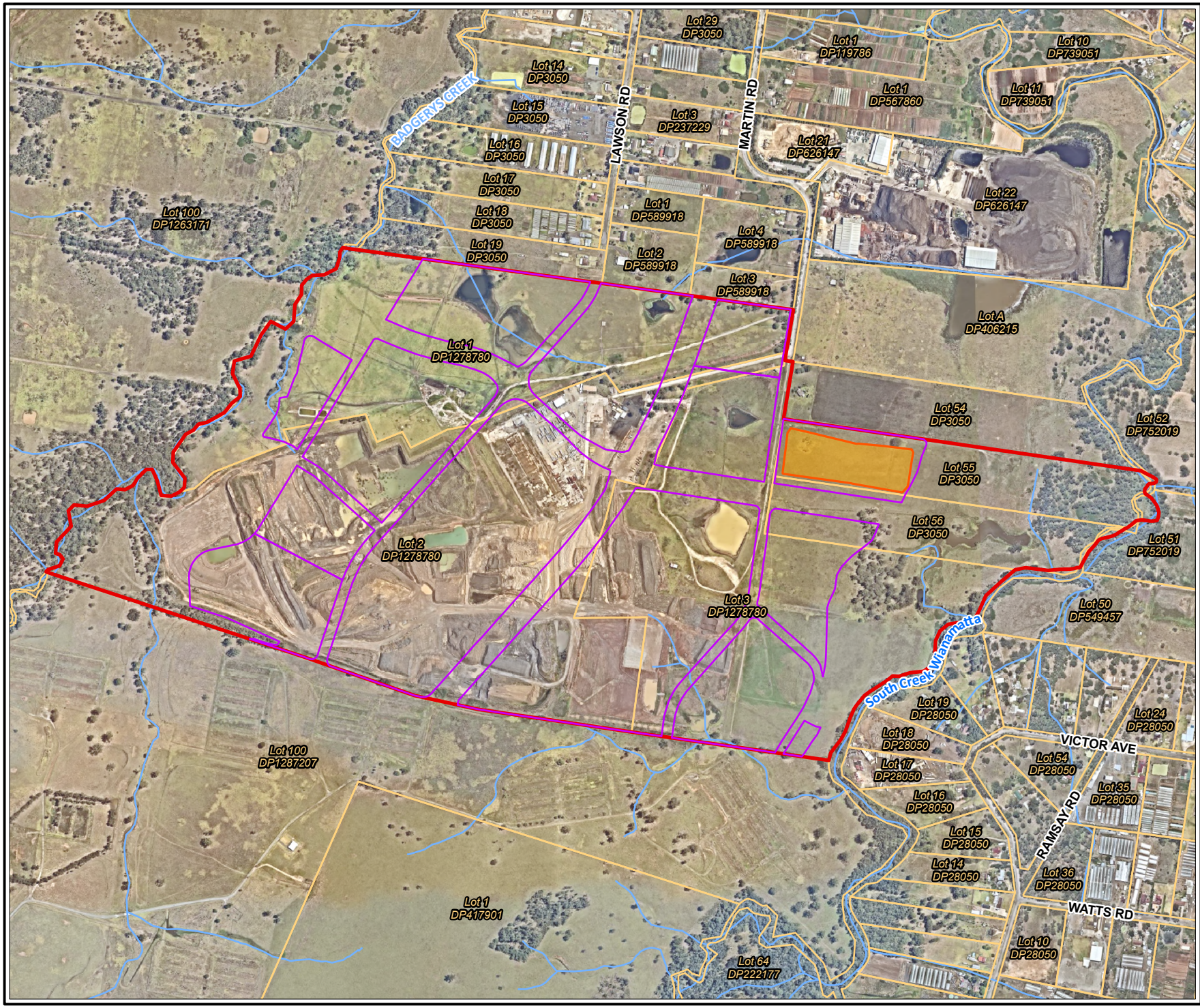
Coord. Sys. GDA2020 MGA Zone 56

235 Martin Road, Bradfield, NSW

PROPOSED DEVELOPMENT

FIGURE 7A

File Name: 70609_BradfieldQuarryRehabRemediationWorks_R04RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 14/12/2025)



Legend

- Approximate Site Boundary
- Proposed Lot Boundary
- NSW Cadastre
- Surface Water Line
- Proposed Containment Cell Location and Extent

JBS&G

Job No: 70609	
Client: Goodman	
Version: R04 Rev A	Date 18/03/2026
Drawn By: TS	Checked By: CK
Scale 1:12,500	

0 100 200
metres

Coord. Sys. GDA2020 MGA Zone 56

235 Martin Road, Bradfield, NSW

PROPOSED CONTAINMENT CELL LOCATION AND EXTENT

FIGURE 7B

File Name: 70609_BradfieldQuarryRehabRemediationWorks_R04RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 14/12/2025)

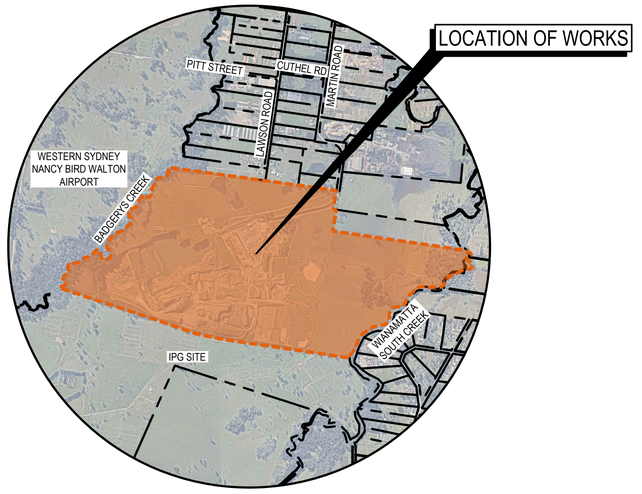
Appendix A Proposed Development

225-245 MARTIN ROAD, BRADFIELD

BULK EARTHWORKS, REHABILITATION AND QUARRYING
STATE SIGNIFICANT DEVELOPMENT APPLICATION - SSD-97711727

DRAWING SCHEDULE

DRAWING NUMBER	DESCRIPTION
GENERAL	
MAR-AAP-DA-R02-DRG-CI-0001	COVER SHEET, LOCALITY PLAN AND DRAWING SCHEDULE
MAR-AAP-DA-R02-DRG-CI-0021	GENERAL NOTES
MAR-AAP-DA-R02-DRG-CI-0061	GENERAL ARRANGEMENT PLAN
MAR-AAP-DA-R02-DRG-CI-0091	PIT 1 EXCAVATION PLAN
MAR-AAP-DA-R02-DRG-CI-0092	PIT 1 EXCAVATION SECTIONS SHEET 1
MAR-AAP-DA-R02-DRG-CI-0093	PIT 1 EXCAVATION SECTIONS SHEET 2
MAR-AAP-DA-R02-DRG-CI-0095	PIT 2 EXCAVATION PLAN
MAR-AAP-DA-R02-DRG-CI-0096	PIT 2 EXCAVATION SECTIONS
EARTHWORKS	
MAR-AAP-DA-R02-DRG-CI-0101	CUT AND FILL PLAN
MAR-AAP-DA-R02-DRG-CI-0121	EARTHWORKS SITE SECTIONS SHEET 1
MAR-AAP-DA-R02-DRG-CI-0122	EARTHWORKS SITE SECTIONS SHEET 2
MAR-AAP-DA-R02-DRG-CI-0123	EARTHWORKS SITE SECTIONS SHEET 3
MAR-AAP-DA-R02-DRG-CI-0124	EARTHWORKS SITE SECTIONS SHEET 4
MAR-AAP-DA-R02-DRG-CI-0125	EARTHWORKS SITE SECTIONS SHEET 5
MAR-AAP-DA-R02-DRG-CI-0126	EARTHWORKS SITE SECTIONS SHEET 6
MAR-AAP-DA-R02-DRG-CI-0127	EARTHWORKS SITE SECTIONS SHEET 7
MAR-AAP-DA-R02-DRG-CI-0128	EARTHWORKS SITE SECTIONS SHEET 8
MAR-AAP-DA-R02-DRG-CI-0129	EARTHWORKS SITE SECTIONS SHEET 9
MAR-AAP-DA-R02-DRG-CI-0141	CONTAINMENT CELL PLAN
MAR-AAP-DA-R02-DRG-CI-0142	CONTAINMENT CELL SECTIONS
MAR-AAP-DA-R02-DRG-CI-0171	EROSION AND SEDIMENT CONTROL PLAN
MAR-AAP-DA-R02-DRG-CI-0191	EROSION AND SEDIMENT CONTROL DETAILS SHEET 1
MAR-AAP-DA-R02-DRG-CI-0192	EROSION AND SEDIMENT CONTROL DETAILS SHEET 2
MAR-AAP-DA-R02-DRG-CI-0241	CIVIL WORKS DETAILS



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Issue	Description	DR	CH	VE	Date
C	ISSUED FOR CLIENT REVIEW	RS	IS	JH	04.03.26
B	ISSUED FOR CLIENT REVIEW	RS	IS	JH	24.02.26
A	ISSUED FOR CLIENT REVIEW	RS	IS	-	18.12.25

100mm on Original

Scales

N

0 500 1000 1500 2000m

1 : 20000

Surveyor

LTS

Client

Goodman

Status

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures

Drawn	R. SANTOS	Original Size	A1
Designed	I. SUMMERS	Height Datum	AHD
Project Manager	K. MCAREAVEY	Grid	MGA/20-56
Verified	J. HEYDON		

Project

225-245 MARTIN ROAD, BRADFIELD
BULK EARTHWORKS, REHABILITATION AND QUARRYING

Title

COVER SHEET, LOCALITY PLAN AND DRAWING SCHEDULE

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Project Number: 30271198

Drawing No.: MAR-AAP-DA-R02-DRG-CI-0001

Issue: C

Date Plotted: 4 Mar 2026 - 09:12AM File Name: C:\Users\azaz3098\DC\ACCDocs\Arcadis ACC AU\AAU-30281481-265 Martin Road Project Maverick\Project Files\10_WIP\10_AAP_Civil\R02\DRG\MAR-AAP-DA-R02-DRG-CI-0001-CoverSheetAndDrawingList.dwg

GENERAL NOTES

1. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S STANDARDS AND SPECIFICATIONS AND/OR AS DIRECTED BY THE ENGINEER.CONTRACTOR IS TO PROVIDE EVIDENCE THAT VEHICULAR CROSSING HAS BEEN CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL STANDARDS.
2. THE CONTRACTOR SHALL LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION AND SHALL MAKE ALL NECESSARY ARRANGEMENTS WITH THE RELEVANT AUTHORITY TO RELOCATE OR ADJUST AS REQUIRED. ALL COSTS TO BE BORNE BY THE APPLICANT, (NOT AT COUNCIL'S EXPENSE)
3. THE CONTRACTOR SHALL NOT ENTER UPON OR DO ANY WORK WITHIN ADJACENT LANDS WITHOUT PRIOR WRITTEN PERMISSION OF THE LAND OWNER.
4. SURVEY MARKS SHALL BE MAINTAINED AT ALL TIMES. WHERE RETENTION IS NOT POSSIBLE THE ENGINEER SHALL BE NOTIFIED AND CONSENT RECEIVED PRIOR TO THEIR REMOVAL.
5. ALL NEW WORKS SHALL MAKE SMOOTH JUNCTION WITH EXISTING CONDITIONS.
6. SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO SOIL DISTURBANCE IN KEEPING WITH THE "MANAGING STORMWATER MANUAL", 2004 BY LANDCOM AND TO COUNCIL'S SOIL EROSION AND SEDIMENT CONTROL POLICY.
7. ALL LAND DISTURBED BY EARTHWORKS SHALL BE HYDROMULCHED, OR SIMILARLY TREATED TO ESTABLISH GRASS COVER. SEED MIXTURES ARE TO BE APPROVED BY COUNCIL PRIOR TO SPRAYING. ALL GRASSED AREAS SHALL BE REGULARLY WATERED AND MAINTAINED UNTIL EXPIRATION OF THE MAINTENANCE PERIOD.
8. THE CONTRACTOR SHALL MAINTAIN DUST CONTROL THROUGHOUT THE DURATION OF THE PROJECT.
9. ALL PITS DEEPER THAN 1.2m SHALL HAVE STEP IRONS PROVIDED IN ACCORDANCE WITH COUNCIL'S STANDARDS.
10. ALL DRAINAGE LINES THROUGH LOTS SHALL BE CONTAINED WITHIN THEIR EASEMENTS AND CONFORM WITH COUNCIL'S STANDARDS.
11. SUBSOIL DRAINS SHALL BE CONSTRUCTED TO THE SATISFACTION OF THE COUNCIL.
12. MINIMUM 100mm THICK TOPSOIL SHALL BE SPREAD ON ALL VERGES, BERMS, BATTERS AND SITE REGRADING AREAS. EXCESS TOPSOIL SHALL BE DISPOSED OF AS DIRECTED BY THE ENGINEER.
13. THE CONTRACTOR SHALL PROVIDE MINIMUM 24 HOURS NOTICE TO THE ENGINEER FOR ALL INSPECTIONS.
14. THE CONTRACTOR SHALL MAINTAIN SERVICES AND ALL WEATHER ACCESS AT ALL TIMES TO THE ADJOINING PROPERTIES.
15. THE CONTRACTOR SHALL UNDERTAKE TRAFFIC CONTROL MEASURES TO ENGINEERS SATISFACTION AND SHALL DISPLAY APPROPRIATE WARNING SIGNS THROUGHOUT THE DURATION OF CONSTRUCTION.
16. ALL NATURAL SURFACE DATA HAS BEEN DETERMINED BY TERRAIN MODELLING. ALL CONSTRUCTION SITE WORKS MUST BE CARRIED OUT USING THE BENCH MARKS NOTED ON THIS DRAWING.
17. 100 YEAR FLOW PATHS TO BE FORMED AT TIME OF CONSTRUCTION.
18. CONSIDERATION OF PLANNING REQUIREMENTS RELATING TO NATIVE VEGETATION, EXISTING WATERCOURSES AND TREES WITH RESPECT TO THE AEROTROPOLOIS DEVELOPMENT CONTROL PLAN (DCP) AND THE CUMBERLAND PLAIN CONSERVATION PLAN (CPCP) IS TO BE UNDERTAKEN PRIOR TO COMMENCEMENT OF EARTHWORKS.

SURVEY NOTES

1. THE TOPOGRAPHICAL SURVEY WITHIN THE SITE AND BOUNDARIES WAS SUPPLIED BY LTS SURVEYORS. THE FOLLOWING INFORMATION IS TAKEN DIRECTLY FROM THE SURVEY DOCUMENTS.

   DATUM A.H.D. JOB REF. 52486 001 DT (REV A) DATED 13/06/25

   ORIGIN PM 33801 GRID MGA 2020

2. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. ARCADIS DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.
3. SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT THE SUPERINTENDENT.
4. DUE TO THE NATURE OF THE SITE AS AN ACTIVE QUARRY, THE EXISTING SURFACE IS SUBJECT TO ONGOING CHANGES. AS SUCH ADDITIONAL EXISTING SURFACE INFORMATION HAS BEEN PROVIDED FROM DRONE SURVEY DATA SUPPLIED BY FREEBURN SURVEYING. THIS INFORMATION WILL BE USED TO CREATE EXISTING SURFACE DATA ONLY AND WILL NOT REPLACE THE TOPOGRAPHICAL (FEATURES) SURVEY PROVIDED BY LTS SURVEYORS.
5. REFER TO TABLE 'EXISTING AND PROPOSED SURFACE INFORMATION' FOR DETAILS OF INFORMATION USED TO CREATE THE EXISTING SURFACES.
6. GEOTECHNICAL INFORMATION IS BASED ON DOUGLAS PARTNERS DUE DILIGENCE REPORT: 234411.00.R.001.REV0, DATED 19th JUNE 2025. ARCADIS CANNOT TAKE RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION IN THE EARTHWORKS MODEL.

BULK EARTHWORKS NOTES

1. ORIGIN OF LEVELS: REFER SURVEY NOTES.
2. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH DOUGLAS PARTNERS EARTHWORKS SPECIFICATION PROJECT 234411.00 FILE NAME 234411.00.R.003, REVISION 0, DATED 18 AUGUST 2025 AND MEMORANDUM R.005 FILE NAME 234411.01.R.005.Rev0 DATED 30 JANUARY 2026.

EXISTING UNDERGROUND SERVICES

1. THE LOCATIONS OF UNDERGROUND SERVICES SHOWN IN THIS SET OF DRAWINGS HAVE BEEN PLOTTED FROM SURVEY INFORMATION AND SERVICE AUTHORITY INFORMATION.
2. THE SERVICE INFORMATION HAS BEEN PREPARED ONLY TO SHOW THE APPROXIMATE POSITIONS OF ANY KNOWN SERVICES AND MAY NOT BE AS CONSTRUCTED OR ACCURATE.
3. ARCADIS CAN NOT GUARANTEE THAT THE SERVICES INFORMATION SHOWN ON THESE DRAWINGS ACCURATELY INDICATES THE PRESENCE OR ABSENCE OF SERVICES OR THEIR LOCATION AND WILL ACCEPT NO LIABILITY FOR INACCURACIES IN THE SERVICES INFORMATION SHOWN FROM ANY CAUSE WHATSOEVER.
4. CONTRACTORS SHALL TAKE DUE CARE WHEN EXCAVATING ONSITE INCLUDING HAND EXCAVATION WHERE NECESSARY.
5. CONTRACTORS ARE TO CONTACT THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.
6. CONTRACTORS ARE TO UNDERTAKE A SERVICES SEARCH, PRIOR TO COMMENCEMENT OF WORKS ON SITE. SEARCH RESULTS ARE TO BE KEPT ON SITE AT ALL TIMES.
7. CONTRACTOR TO ENSURE WORKS AROUND THE EXISTING HIGH PRESSURE GAS MAIN ARE UNDERTAKEN IN ACCORDANCE WITH JEMENA'S GUIDELINE TO DESIGNING, CONSTRUCTING AND OPERATING AROUND THE EXISTING AS4645 NATURAL GAS NETWORK

SITEWORKS NOTES

1. ORIGIN OF LEVELS: REFER SURVEY NOTES.
2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO THE SUPERINTENDENT.
3. MAKE SMOOTH CONNECTION WITH EXISTING WORKS.
4. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
5. ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMAPACTED IN 150mm LAYERS TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
6. PROVIDE 10mm WIDE EXPANSION JOINTS BETWEEN BUILDINGS AND ALL CONCRETE OR UNIT PAVEMENTS.
7. ASPHALTIC CONCRETE SHALL CONFORM TO RMS SPECIFICATION R116.
8. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS SPECIFICATION 3051 COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m^3 OF BASECOURSE MATERIAL PLACED.
9. ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS SPECIFICATION 3051 COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH A.S 1289 5.2.1. FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m^3 OF SUB-BASE COURSE MATERIAL PLACED.
10. AS AN ALTERNATIVE TO THE USE OF IGNEOUS ROCK AS A SUB-BASE MATERIAL IN (9) A CERTIFIED RECYCLED CONCRETE MATERIAL COMPLYING WITH RMS SPECIFICATION 3051 WILL BE CONSIDERED. SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS BEING PROVIDED TO THE SATISFACTION OF THE SUPERINTENDENT.
11. SHOULD THE CONTRACTOR WISH TO USE A RECYCLED PRODUCT THIS SHALL BE CLEARLY INDICATED IN THEIR TENDER AND THE PRICE DIFFERENCE BETWEEN AN IGNEOUS PRODUCT AND A RECYCLED PRODUCT SHALL BE CLEARLY INDICATED.
12. WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS, (eg. ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS.

CONSTRUCTION SPECIFICATION

1. THESE DRAWINGS SHOULD BE READ IN CONJUNCTION WITH THE DOUGLAS PARTNERS EARTHWORKS SPECIFICATION PROJECT 234411.00 FILE NAME 234411.00.R.003, REVISION 0, DATED 18 AUGUST 2025 AND MEMORANDUM R.005 FILE NAME 234411.01.R.005.Rev0 DATED 30 JANUARY 2026.
2. A WORKSHOP IS REQUIRED WITH THE CONTRACTOR, GEOTECHNICAL ENGINEER AND CIVIL ENGINEER TO REVIEW AND AGREE ANY AMENDMENTS TO THIS EARTHWORKS SPECIFICATION PRIOR TO CONSTRUCTION COMMENCING ON SITE.

EROSION & SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

1. THE EROSION AND SEDIMENTATION CONTROLS SHOWN IN THE DRAWINGS IS INDICATIVE ONLY AND SHOULD BE CONSIDERED A MINIMUM TREATMENT. THE CONTRACTOR HAS SOLE RESPONSIBILITY TO ENSURE THESE MEASURES ARE ADJUSTED AND SUPPLEMENTED APPROPRIATELY TO SUIT SITE CONDITIONS AT THE TIME, STAGING OF THE WORKS AND CONSTRUCTION METHODOLOGY.
2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
   a. LOCAL AUTHORITY REQUIREMENTS
   b. EPA REQUIREMENTS
   c. LANDCOM MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
3. MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
4. THE WATER IN THE SEDIMENT BASIN(S) SHALL BE LOWERED PERIODICALLY T0 MAINTAIN THE MINIMUM STORAGE VOLUME REQUIRED FOR FINE SOILS.
5. AT ALL TIMES A WATER CART(S) SHALL BE MAINTAINED ON SITE TO:
   a. WATER THE AREAS OF HYDROMULCH
   b. CONTROL DUST
   WATERING OF MULCH, DUST OR VEGETATION MUST BE KEPT TO THE MINIMUM REQUIRED TO ACHIEVE SPECIFIED OUTCOMES. IN NO CASE SHALL AREAS BE OVER WATERED TO SATURATION OR TO THE POINT WHERE WATER PONDS ON THE SURFACE.
6. STORMWATER IN THE SETTLING ZONE SHALL BE DRAINED OR PUMPED OUT WITHIN 7 DAYS (NO LATER THAN 14 DAYS AS SITE CONDITIONS ALLOWS) FOLLOWING RAINFALL EVENT IF THE NOMINATED WATER QUALITY TARGETS CAN BE MET. THE LOWER LEVEL OF THE SETTLING ZONE SHALL BE IDENTIFIED WITH A PEG THAT SHOWS CLEARLY THE LEVEL WHICH DESIGN CAPACITY IS AVAILABLE.
   STORED SEDIMENT SHALL NOT ENCROACH INTO SETTLING ZONE. SEDIMENT REMOVED FROM SEDIMENT BASIN SHALL BE DISPOSED OF IN PLACES THAT WILL NOT RESULT IN A FUTURE EROSION OR POLLUTION HAZARD.
   TEMPORARY SEDIMENT BASIN OUTLET PIPE SHALL BE CAPPED DURING CONSTRUCTION. AFTER CONSTRUCTION BASIN SHOULD BE CLEARED OF SEDIMENTS BEFORE OUTLET PIPE CAP IS REMOVED.
7. WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS.
8. THE CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY. REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.
9. ALL EARTHWORKS BATTERS ASSOCIATED WITH ALL SEDIMENT & EROSION CONTROL CHANNELS AND BASINS TO HAVE A MINIMUM BATTER OF 1:2 TO HELP MITIGATE AGAINST POTENTIAL BIRD NESTING.
10. THE TRUNK DRAINAGE CHANNELS WILL BE FORMED DURING THE BULK EARTHWORKS UNDERTAKEN AS PART OF THE REHAB PACKAGE. THESE CHANNELS WILL BE GRADED BETWEEN 0.5% AND 3% AND WILL NOT BE FREE DRAINING. THE DOWNSTREAM END OF EACH CHANNEL WILL SERVE AS A SMALL SEDIMENT BASIN FOR THE CATCHMENT THAT IS CAPTURED BY THE CHANNEL. IN MOST CASES THE CATCHMENT WILL BE THE PLAN AREA OF THE RESPECTIVE TRUNK DRAINAGE CHANNEL ITSELF. THESE DOWNSTREAM AREAS OF THE TRUNK DRAINAGE CHANNELS WILL NEED TO BE MONITORED BY THE CONTRACTOR AND CLEANED OUT DURING CONSTRUCTION IN ACCORDANCE WITH THE MAINTENANCE AND OPERATION GUIDELINES APPLICABLE ALL SEDIMENT BASINS ACROSS THE DEVELOPMENT.
11. REFER TO ENGENY SURFACE WATER IMPACT ASSESSMENT FOR BASIN MAINTENANCE AND OPERATION REQUIREMENTS.

LAND DISTURBANCE

12. WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:
    A. INSTALL A WIND AND SITE SECURITY FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN.
    B. INSTALL A SEDIMENT FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN.
    C. CONSTRUCT STABILISED CONSTRUCTION ENTRANCE TO LOCATION AS DETERMINED BY SUPERINTENDENT / ENGINEER.
    D. INSTALL SEDIMENT BASIN
    E. INSTALL SEDIMENT TRAPS
    F. UNDERTAKE SITE DEVELOPMENT WORKS IN ACCORDANCE WITH THE ENGINEERING PLANS. WHERE POSSIBLE, PHASE DEVELOPMENT SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF WORKABLE SIZE.
    G. REFER TO LANDCOM MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION" FOR DETAILS OF EROSION AND SEDIMENT CONTROL MEASURES, WHERE AND WHEN TO USE THESE AND HOW TO CORRECTLY INSTALL.

EROSION CONTROL

13. DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.
14. FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

SEDIMENT CONTROL

15. STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS. WHERE THEY ARE BETWEEN 2 AND 5 METRES FROM SUCH AREAS, SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSLOPE WATERS, E.G. THROUGH INSTALLATION OF SEDIMENT FENCING.
16. ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) WILL BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM PLACEMENT.
17. WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE, I.E. THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
18. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED/STABILISED.

OTHER MATERIALS

19. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
20. ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH LANDSCAPE ARCHITECTS DETAILS.

EXISTING AND PROPOSED SURFACE INFORMATION

THE INFORMATION USED TO CREATE THE EXISTING AND PROPOSED SURFACES, AND CALCULATE THE EARTHWORKS VOLUMES IS BASED ON THE FOLLOWING INFORMATION

SURFACE NAME	INCOMING DATA	DESCRIPTION	COMMENTS
EXISTING	31126 251218 Stockpiles.dwg	TOPOGRAPHICAL SURVEY	
EXISTING LESS STOCKPILE	31126 251218 Stockpiles.dwg	TOPOGRAPHICAL WITH STOCKPILES REMOVED	1. LESS STOCKPILE SURFACE HAS BEEN EXTRAPOLATED USING BASE OF STOCKPILE INFORMATION INCLUDED IN THE INCOMING DATA
EXISTING PIT 1 STRIPPED BASE	31126 Pit 1 Stripped- 260108.dwg	DRONE SURVEY	
FILL SETTLEMENT	BOREHOLE DATA: 1. BECA Geotechnical Investigation Report Dec 2018 2. Douglas Partners Pit Fill investigation June 2023 3. Douglas Partners Detailed Geotech Investigation May 2023 4. MQ test pit investigation July 2024 5. Douglas Partners investigation Sept 2024	BOTTOM OF UNCONTROLLED FILL SURFACE	1. FILL SETTLEMENT SURFACE HAS BEEN EXTRAPOLATED UTILISING BOREHOLE DATA 2. BOREHOLE DATA PROVIDED BY BECA, DOUGLAS PARTNERS AND MULGOA
EXISTING PIT 2 STRIPPED BASE	31126 Pit 2 Final Strip 250818.dwg	DRONE SURVEY	
DESIGN TOPSOIL	31126 260120 Stockpiles.dwg	EXTRAPOLATED TOPSOIL SURFACE (300mm DEPTH)	1. DESIGN TOPSOIL SURFACE EXTRAPOLATED FROM EXISTING FREEBURN SURFACE 2. TOPSOIL DEPTH ASSUMED TO BE 300mm FROM EXISTING SURFACE 3. TOPSOIL EXTENTS ARE CALCULATED FROM GRASSED AREAS SHOWN ON AERIAL IMAGERY WITHIN THE FINISHED ESTATE WORKS DISTURBED AREA FOOTPRIINT
DESIGN PIT 1 BASE	N/A	EXTRAPOLATED STRIPPED BASE OF PIT 1	1. EXTRAPOLATED SURFACE IS BASED ON ASSUMED DEPTH BELOW EXISTING WATER LEVEL IN PIT 1. 2. ASSUMED DEPTHS PROVIDED BY MULGOA VIA EMAIL RE: Project Maverick | Pit 1 Base Levels 11/02/26 7:54AM
DESIGN PIT 1 WALL EXCAVATION	N/A	PIT 1 WALL EXCAVATION	
DESIGN PIT 1 UNCONTROLLED FILL	N/A	UNKNOWN AREA OF UNCONTROLLED FILL AT SOUTHERN END OF PIT 1	1. PIT 1 UNCONTROLLED FILL SURFACE IS BASED ON ASSUMED DEPTHS PROVIDED BY MULGOA
DESIGN PIT 2 WALL EXCAVATION	N/A	PIT 2 WALL EXCAVATION	
DESIGN PIT 2 TEMPORARY PILING BENCH	N/A	BENCH FOR PILING RIG	1.5m WIDE BENCH FOR PILING RIG FOR CONSTRUCTION OF WAREHOUSE 12 RETAINING WALL
DESIGN REHABILITATION	N/A	BULK EARTHWORKS, REHABILITATION AND QUARRYING DESIGN SURFACE	

REFERENCE DOCUMENTATION

THESE DRAWINGS SHOULD BE READ IN CONJUNCTION WITH THE FOLLOWING DOCUMENTS

DOCUMENT TITLE	PREPARED BY
MAR-AAP-DA-R02--RPT-CV-0002 - BULK EARTHWORKS, REHABILITATION AND QUARRYING CIVIL ENGINEERING REPORT	ARCADIS
MAR-AAP-DA-R02-RPT-GW-0001 - GROUNDWATER ASSESSMENT REPORT	ARCADIS
234411.00.R.001 - DUE DILIGENCE GEOTECHNICAL INVESTIGATION	DOUGLAS PARTNERS
234411.00.R.003 - EARTHWORKS SPECIFICATION	DOUGLAS PARTNERS
234411.01.R.005 - EARTHWORKS MEMO	DOUGLAS PARTNERS
COMBINED PRELIMINARY AND DETAILED SITE INVESTIGATION	JBS&G
SITE WIDE REMEDIAL ACTION PLAN	JBS&G
BNTL02053_0001-01-SWIA - SURFACE WATER IMPACT ASSESSMENT	ENGENY
DAM DEWATERING PLAN	SLR
FLOOD IMPACT & RISK ASSESSMENT	COLLIERS

Issue	Description	DR	CH	VE	Date
C	ISSUED FOR CLIENT REVIEW	RS	IS	JH	04.03.26
B	ISSUED FOR CLIENT REVIEW	RS	IS	JH	24.02.26
A	ISSUED FOR CLIENT REVIEW	RS	IS	-	18.12.25

Scales: N/A

Surveyor: LTS

Client: Goodman

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures

Drawn	R. SANTOS	Original Size	A1
Designed	I. SUMMERS	Height Datum	AHD
Project Manager	K. MCAREAVEY	Grid	MGA/20-56
Verified	J. HEYDON		

Project: 225-245 MARTIN ROAD, BRADFIELD
BULK EARTHWORKS, REHABILITATION AND QUARRYING

Title: GENERAL NOTES

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Project Number: 30271198

Drawing No.: MAR-AAP-DA-R02-DRG-CI-0021

Issue: C

100mm on Original

Date Plotted: 4 Mar 2026 - 09:12AM File Name: C:\Users\azaz3098\DC\ACCDocs\Arcadis ACC AU\AAU-30281481-265 Martin Road Project Maverick\Project Files\10_WIP\10_AAP_Civil\R02\DRG\MAR-AAP-DA-R02-DRG-CI-0021-GeneralNotes.dwg

LEGEND

- EXISTING BOUNDARY
- PROPOSED PRECINCT BOUNDARY
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- ENVIRONMENTAL ZONING BOUNDARY
- EXTENT OF EXISTING QUARRY PIT AND BRICK PLANT
- EXISTING WATER (w)
- EXISTING ELECTRICAL OVERHEAD (oh)
- EXISTING GAS (g)
- OVERLAND PIPE
- PROPOSED RELOCATED GAS (G)
- ENVIRONMENTAL AND RECREATION ZONE (ENZ)

NOTES

1. FOR TYPICAL BULK EARTHWORKS SECTION WITHIN ROAD RESERVE BOUNDARY REFER TO DRAWING MAR-AAP-DA-R02-DRG-CI-0241
2. FOR DETAILS OF EROSION AND SEDIMENT CONTROL SWALES AND BASINS REFER TO MAR-AAP-DA-R02-DRG-CI-0241
3. DEWATERING AND REMEDIATION OF EXISTING TEMPORARY SEDIMENT BASINS AND DAMS ARE TO BE IN ACCORDANCE WITH 234411.00.R.003 EARTHWORKS SPECIFICATION PREPARED BY DOUGLAS PARTNERS AND DAM DEWATERING PLAN PREPARED BY SLR .

BADGERYS CREEK
DEWATER AND REMEDIATE EXISTING DAM 2
DEWATER AND REMEDIATE EXISTING DAM 1
DEWATER AND REMEDIATE EXISTING DAM 4.
LOT 7
LOT 8
LOT 1
CONNECT TO EXISTING GAS MAIN
DEWATER AND REMEDIATE EXISTING DAM 5
BORAL LAND
FUTURE NORTH-EAST REGIONAL BASIN TO BE USED FOR SEDIMENT AND EROSION CONTROL DURING BULK EARTHWORKS PHASE.
LOT 2
LOT 3A
LOT 3B
FUTURE NORTH-WEST REGIONAL BASIN TO BE USED FOR SEDIMENT AND EROSION CONTROL DURING BULK EARTHWORKS PHASE.
ACTIVE OPEN SPACE
LOT 10
A 0241
LOT 9A
BRICK PLANT
DEWATER AND REMEDIATE EXISTING TEMPORARY SEDIMENT BASIN
FUTURE SOUTH-WEST REGIONAL BASIN TO BE USED FOR SEDIMENT AND EROSION CONTROL DURING BULK EARTHWORKS PHASE.
PIT 1
DEWATER AND REMEDIATE EXISTING DAM 3
PROPOSED FAUNA UNDERPASS/CULVERT TO BE CONSTRUCTED DURING RELOCATION OF GAS MAIN WORKS AND STAGED ACCORDINGLY. UNDERPASS/CULVERT TO BE CAPPED AND BURIED FOR USE IN FUTURE ESTATE WORKS STAGE. REFER TO DRAWING FOR DETAILS MAR-AAP-DA-R02-DRG-CI-0241
LOT 4
EXISTING 300kPa GAS MAIN TO BE RELOCATED AS SHOWN. CONTRACTOR TO ENSURE WORKS ARE UNDERTAKEN IN ACCORDANCE WITH JEMENA'S GUIDELINE TO DESIGNING, CONSTRUCTING AND OPERATING AROUND THE EXISTING AS4645 NATURAL GAS NETWORK
LOT 11
DEWATER AND REMEDIATE EXISTING TEMPORARY SEDIMENT BASINS
LOT 9B
PROPOSED GAS MAIN. REFER TO DRAWING 0241 FOR TYPICAL VERGE SECTION
LOT 6A
PIT 2
DEWATER AND REMEDIATE EXISTING TEMPORARY SEDIMENT BASIN
LOT 12
SOUTH CREEK
PIT 3
LOT 6B
LOT 5
FUTURE SOUTH-EAST REGIONAL BASIN TO BE USED FOR SEDIMENT AND EROSION CONTROL DURING BULK EARTHWORKS PHASE.
CONNECT TO EXISTING GAS MAIN

Issue	Description	DR	CH	VE	Date
C	ISSUED FOR CLIENT REVIEW	RS	IS	JH	04.03.26
B	ISSUED FOR CLIENT REVIEW	RS	IS	JH	24.02.26
A	ISSUED FOR CLIENT REVIEW	RS	IS	-	18.12.25

Scales

0 50 100 150 200 250m

1 : 2500

100mm on Original

Surveyor: LTS

Client: Goodman

Status: PRELIMINARY
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Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	I. SUMMERS	Height Datum	AHD
Project Manager	K. MCAREAVEY	Grid	MGA/20-56
Verified	J. HEYDON		

Project: 225-245 MARTIN ROAD, BRADFIELD
BULK EARTHWORKS, REHABILITATION AND QUARRYING

Title: GENERAL ARRANGEMENT PLAN

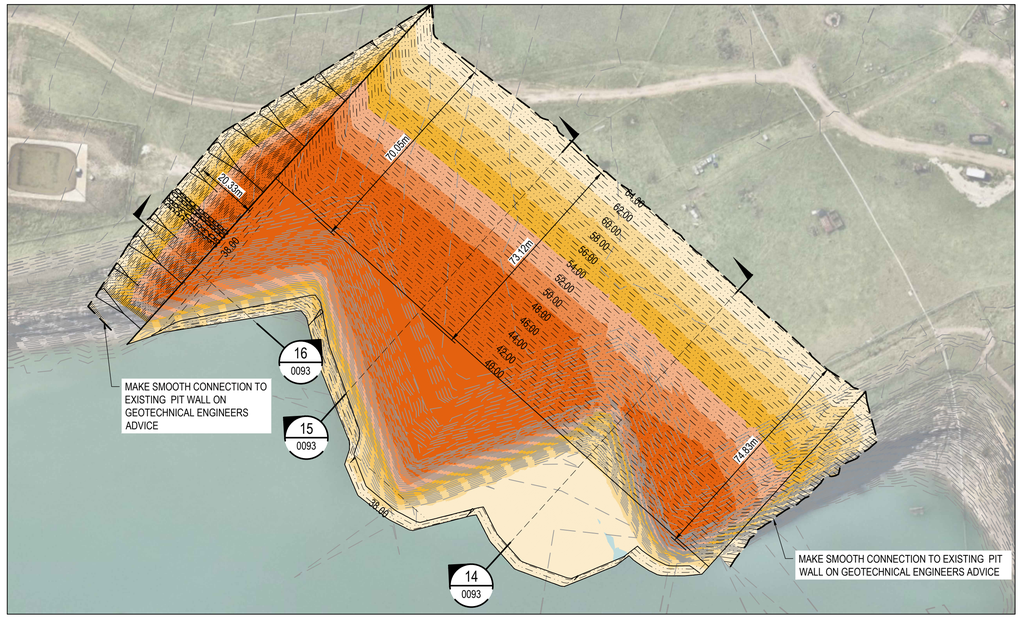
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Project Number: 30271198

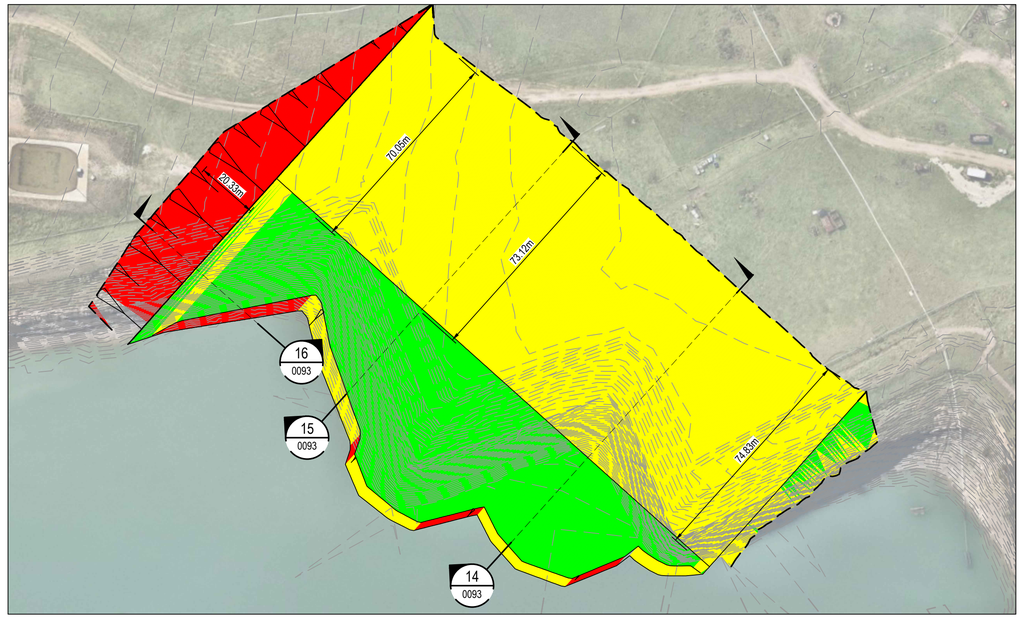
Drawing No.: MAR-AAP-DA-R02-DRG-CI-0061

Issue: C

Date Plotted: 4 Mar 2026 - 04:06PM File Name: C:\Users\azaz3098\DC\ACCDocs\Arcadis ACC AU\AAU-30281481-265 Martin Road Project Maverick\Project Files\10_WIP\10_AAP_Civil\R02\DRG\MAR-AAP-DA-R02-DRG-CI-0061-GeneralArrangementPlan.dwg



PIT 1 - NORTHERN EXCAVATION DEPTH RANGE



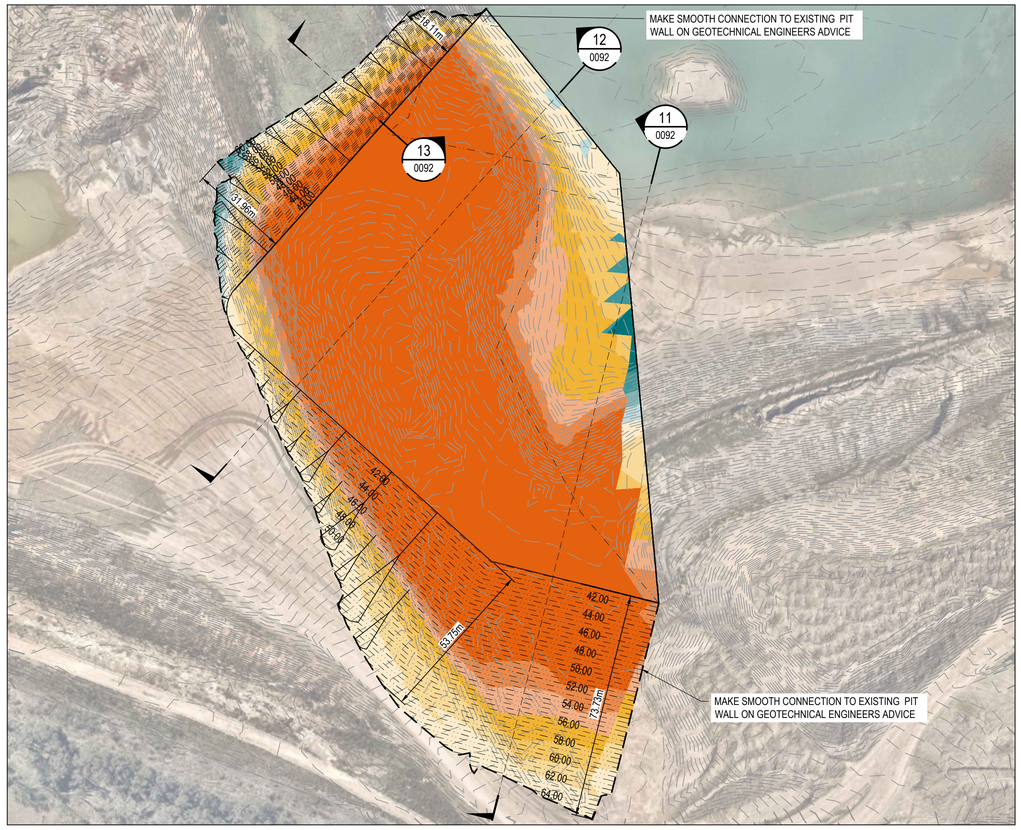
PIT 1 - NORTHERN EXCAVATION SLOPE RANGE

CUT FILL DEPTH RANGE

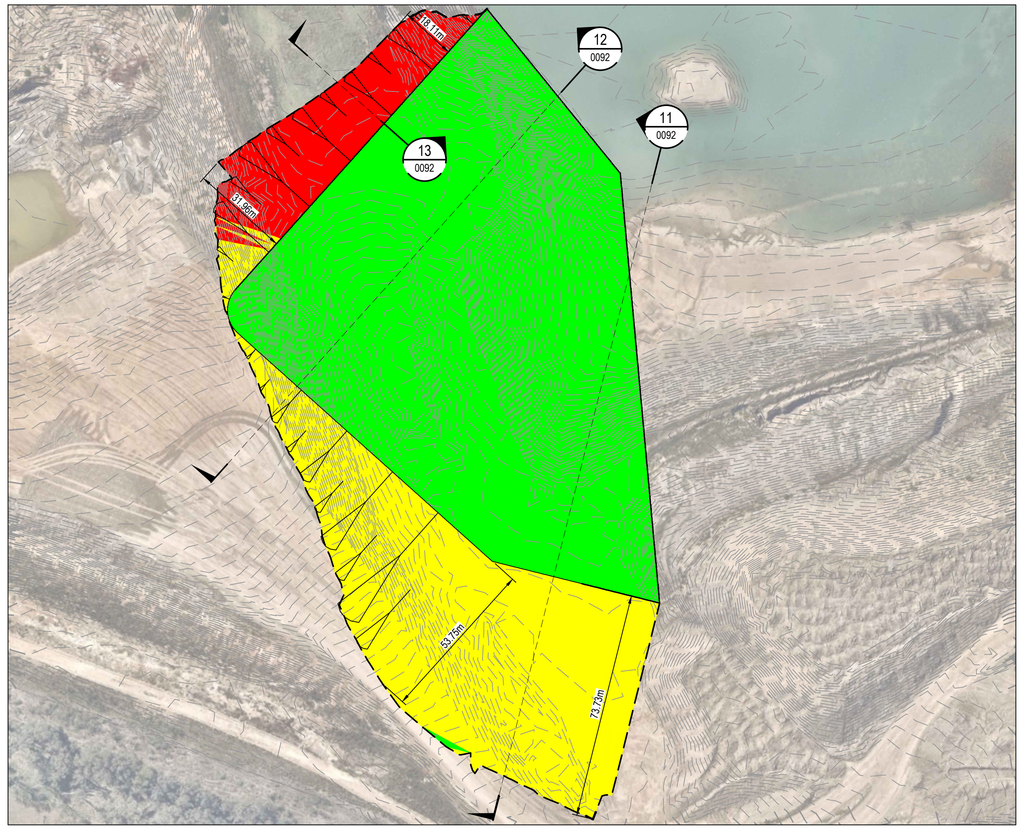
LOWER VALUE		UPPER VALUE	COLOUR
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-15m	to	-12m	
-12m	to	-10m	
-10m	to	-8m	
-8m	to	-5m	
-5m	to	-2m	
-2m	to	0m	
0m	to	2m	
2m	to	5m	
5m	to	8m	
8m	to	10m	
10m	to	12m	
12m	to	15m	
15m	to	9999m	

SLOPE RANGE

LOWER VALUE		UPPER VALUE	COLOUR
0%	to	33%	
33%	to	50%	
50%	to	100%	



PIT 1 - SOUTHERN EXCAVATION DEPTH RANGE



PIT 1 - SOUTHERN EXCAVATION SLOPE RANGE

NOTES

1. THE VOLUMES BELOW HAVE BEEN CALCULATED BETWEEN 'LOWEST POINT SURFACE FREEBURN' AND 'DESIGN PIT 1 WALL EXCAVATION'
2. THE 'LOWEST POINT SURFACE FREEBURN' IS MADE UP OF A COMBINATION OF 'EXISTING FREEBURN LESS STOCKPILE', 'FILL SETTLEMENT FREEBURN', 'EXISTING PIT 1 STRIPPED BASE', 'DESIGN PIT 1 BASE' , DESIGN PIT 1 UNCONTROLLED FILL' AND 'EXISTING PIT 2 STRIPPED BASE' SURFACES.
3. REFER TO 'EXISTING AND PROPOSED SURFACE INFORMATION' SHEET FOR SURFACE INFORMATION AND ASSUMPTIONS

CUT/FILL VOLUMES

TOTAL PIT 1 EXCAVATION VOLUME = 655334.43m³

Issue	Description	DR	CH	VE	Date
C	ISSUED FOR CLIENT REVIEW	RS	IS	JH	04.03.26
B	ISSUED FOR CLIENT REVIEW	RS	IS	JH	24.02.26
A	ISSUED FOR CLIENT REVIEW	RS	IS	-	18.12.25

Scales

0 10 20 40 60 80 100m

1 : 1000

100mm on Original

Surveyor: LTS

Client: Goodman

Status: PRELIMINARY
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Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	I. SUMMERS	Height Datum	AHD
Project Manager	K. MCAREAVEY	Grid	MGA/20-56
Verified	J. HEYDON		

Project: 225-245 MARTIN ROAD, BRADFIELD BULK EARTHWORKS, REHABILITATION AND QUARRYING

Title: PIT 1 EXCAVATION PLAN

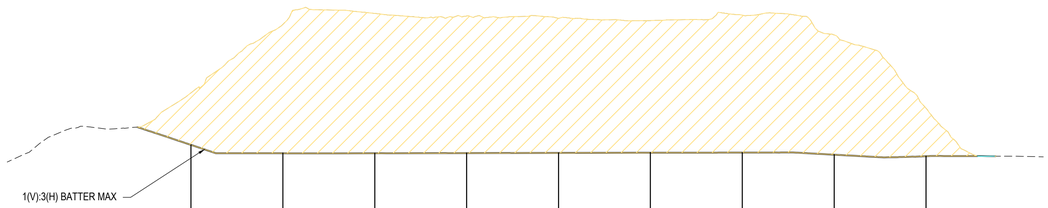
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Project Number: 30271198

Drawing No.: MAR-AAP-DA-R02-DRG-CI-0091

Issue: C

Date Plotted: 4 Mar 2026 - 09:18AM File Name: C:\Users\azaz3098\DC\ACCDocs\Arcadis ACC AU\AAU-30281481-265 Martin Road Project Maverick\Project Files\10_WIP\10_AAP_Civil\R02\DRG\MAR-AAP-DA-R02-DRG-CI-0091-Pit1ExcavationPlan.dwg

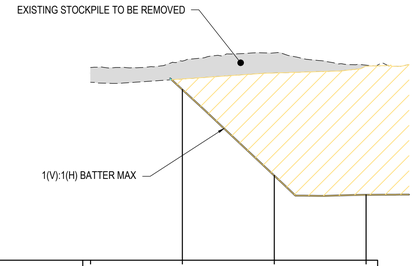


DATUM RL 29.0

PIT 1 WALL EXCAVATION			42.10	40.73	40.72	40.75	40.78	40.81	40.84	40.50	40.25
CUT / FILL DEPTH			-8.49	-21.04	-22.83	-22.38	-21.96	-21.58	-22.43	-19.53	-7.83
EXISTING SURFACE	39.30	44.83	50.59	61.77	63.55	63.13	62.74	62.39	63.27	60.04	48.08	40.25
CHAINAGE	0.000	15.000	30.000	45.000	60.000	75.000	90.000	105.000	120.000	135.000	150.000	165.000

SECTION 12 LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:500 VERT.

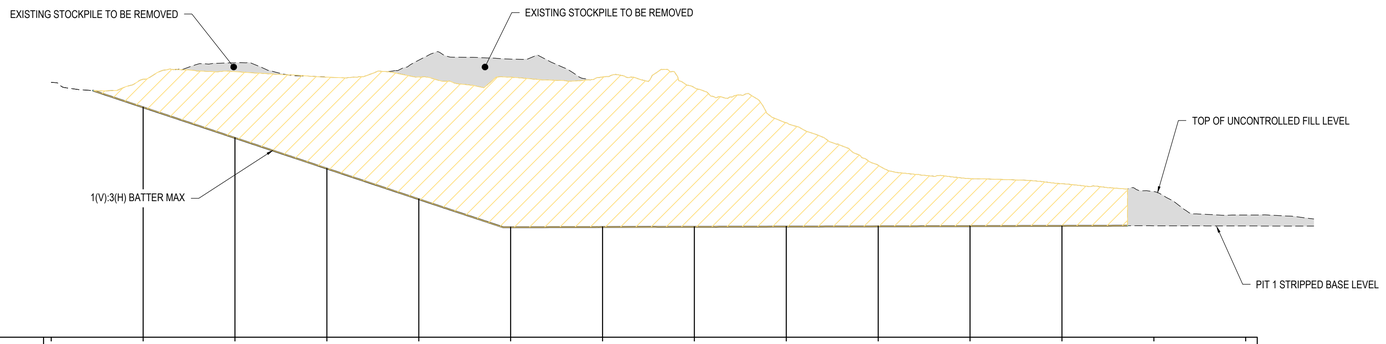


DATUM RL 30.0

PIT 1 WALL EXCAVATION		57.83	43.79	40.65
CUT / FILL DEPTH		-1.74	-16.75	-21.02
EXISTING SURFACE	59.03	59.56	60.55	61.66
CHAINAGE	0.000	15.000	30.000	45.000

SECTION 13 LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:500 VERT.



DATUM RL 23.0

PIT 1 WALL EXCAVATION		60.53	55.53	50.53	45.53	40.94	40.98	41.01	41.04	41.08	41.12	41.17	
CUT / FILL DEPTH		-4.56	-10.81	-14.91	-20.56	-24.49	-24.49	-22.72	-16.96	-9.96	-7.75	-6.88	
EXISTING SURFACE	64.59	65.09	66.34	65.44	65.46	65.43	65.47	63.73	58.00	51.05	48.87	48.04	41.19	41.15
CHAINAGE	0.000	15.000	30.000	45.000	60.000	75.000	90.000	105.000	120.000	135.000	150.000	165.000	180.000	195.000

SECTION 11 LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:500 VERT.

Issue	Description	DR	CH	VE	Date
C	ISSUED FOR CLIENT REVIEW	RS	IS	JH	04.03.26
B	ISSUED FOR CLIENT REVIEW	RS	IS	JH	24.02.26
A	ISSUED FOR CLIENT REVIEW	RS	IS	-	18.12.25

Scales

0 25 50 75 100 125m

1 : 1250

Surveyor

LTS

Client

Goodman

Status
PRELIMINARY
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Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	I. SUMMERS	Height Datum	AHD
Project Manager	K. MCAREAVEY	Grid	MGA/20-56
Verified	J. HEYDON		

Project
225-245 MARTIN ROAD,
BRADFIELD
BULK EARTHWORKS,
REHABILITATION AND QUARRYING

Title
PIT 1 EXCAVATION
SECTIONS
SHEET 1

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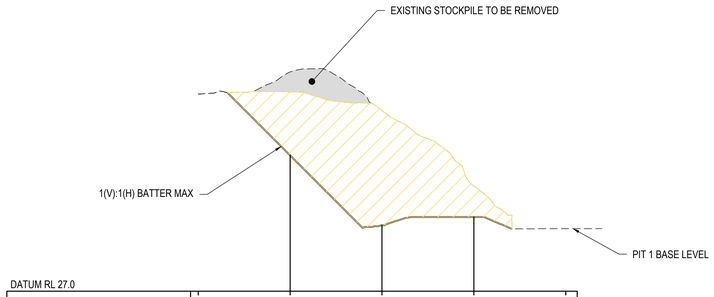
Project Number: 30271198

Drawing No.: MAR-AAP-DA-R02-DRG-CI-0092

Issue: C

100mm on Original

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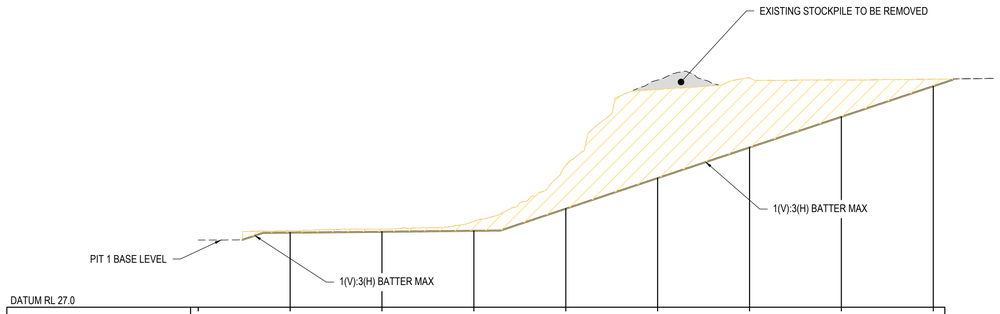


DATUM RL 27.0

PIT 1 WALL EXCAVATION		49.16	37.73	39.11	
CUT / FILL DEPTH		-10.35	-18.74	-5.07	
EXISTING SURFACE	59.16	59.51	56.47	44.18	37.19
CHAINAGE	0.000	15.000	30.000	45.000	60.000

SECTION 16 LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:500 VERT.

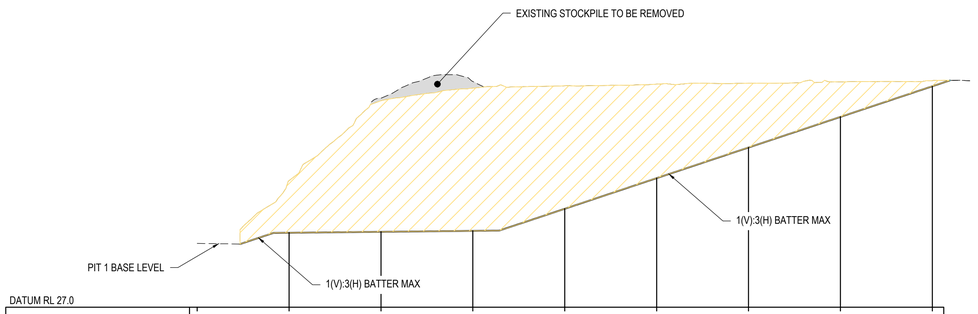


DATUM RL 27.0

PIT 1 WALL EXCAVATION		39.16	39.31	39.46	43.06	48.06	53.06	58.06	63.06
CUT / FILL DEPTH		-0.32	-0.43	-1.55	-7.12	-14.46	-11.36	-6.03	-1.04
EXISTING SURFACE	37.97	39.47	39.73	41.00	50.18	62.52	64.42	64.09	64.20
CHAINAGE	0.000	15.000	30.000	45.000	60.000	75.000	90.000	105.000	120.000

SECTION 14 LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:500 VERT.



DATUM RL 27.0

PIT 1 WALL EXCAVATION		39.16	39.31	39.46	43.06	48.06	53.06	58.06	63.06
CUT / FILL DEPTH		-8.49	-21.38	-23.29	-20.07	-15.34	-10.48	-5.72	-0.92
EXISTING SURFACE	37.40	47.65	60.69	62.75	63.13	63.40	63.54	63.78	63.98
CHAINAGE	0.000	15.000	30.000	45.000	60.000	75.000	90.000	105.000	120.000

SECTION 15 LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:500 VERT.

Issue	Description	DR	CH	VE	Date
C	ISSUED FOR CLIENT REVIEW	RS	IS	JH	04.03.26
B	ISSUED FOR CLIENT REVIEW	RS	IS	JH	24.02.26
A	ISSUED FOR CLIENT REVIEW	RS	IS	-	18.12.25

Scales

0 25 50 75 100 125m

1 : 1250

Surveyor

LTS

Client

Goodman

Status

PRELIMINARY
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Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	I. SUMMERS	Height Datum	AHD
Project Manager	K. MCAREAVEY	Grid	MGA/20-56
Verified	J. HEYDON		

Project

225-245 MARTIN ROAD,
BRADFIELD
BULK EARTHWORKS,
REHABILITATION AND QUARRYING

Title

PIT 1 EXCAVATION
SECTIONS
SHEET 2

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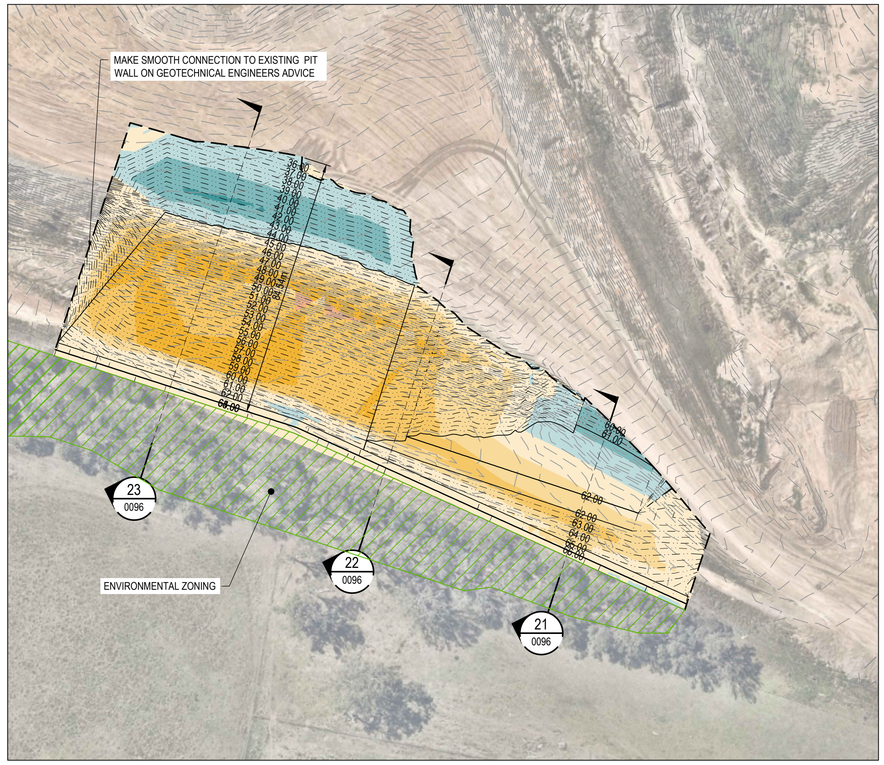
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Drawing No.: MAR-AAP-DA-R02-DRG-CI-0093

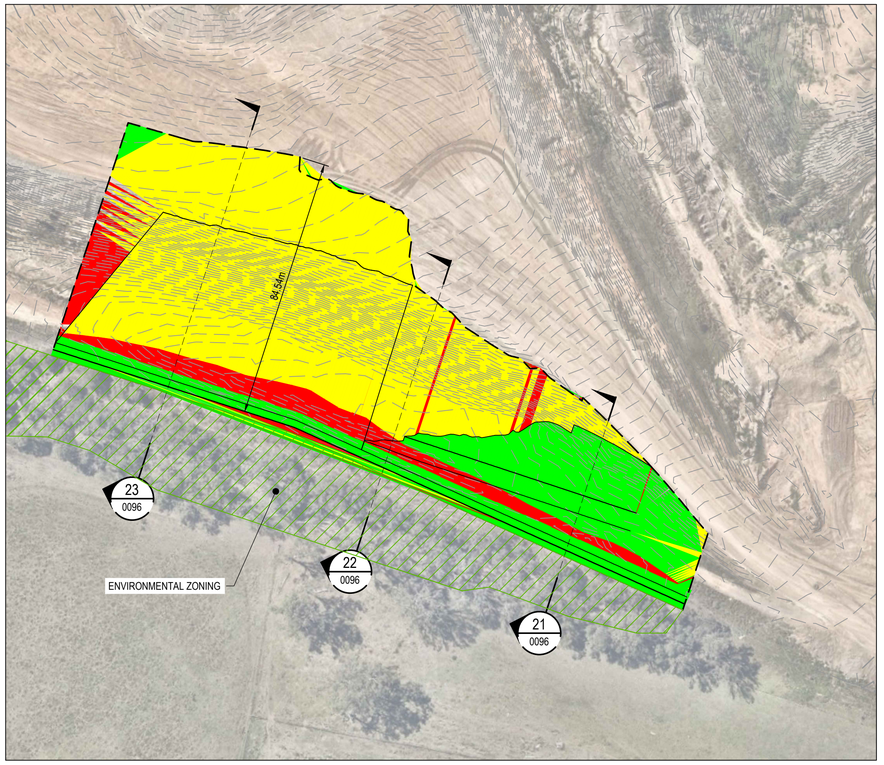
Issue: C

100mm on Original

Date Plotted: 4 Mar 2026 - 09:19AM File Name: C:\Users\azaz3098\DC\ACCDocs\Arcadis ACC AU\AAU-30281481-265 Martin Road Project Maverick\Project Files\10_WIP\10_AAP_Civil\R02\DRG\MAR-AAP-DA-R02-DRG-CI-0092-Pit1ExcavationSections.dwg



PIT 2 EXCAVATION - DEPTH RANGE



PIT 2 EXCAVATION - SLOPE RANGE

CUT FILL DEPTH RANGE

LOWER VALUE		UPPER VALUE	COLOUR
-9999m	to	-15m	
-15m	to	-12m	
-12m	to	-10m	
-10m	to	-8m	
-8m	to	-5m	
-5m	to	-2m	
-2m	to	0m	
0m	to	2m	
2m	to	5m	
5m	to	8m	
8m	to	10m	
10m	to	12m	
12m	to	15m	
15m	to	9999m	

SLOPE RANGE

LOWER VALUE		UPPER VALUE	COLOUR
0%	to	33%	
33%	to	50%	
50%	to	100%	

NOTES

1. THE VOLUMES BELOW HAVE BEEN CALCULATED BETWEEN 'LOWEST POINT SURFACE FREEBURN' AND 'SUPER DESIGN PIT 2 WALL EXCAVATION'
2. THE 'LOWEST POINT SURFACE FREEBURN' IS MADE UP OF A COMBINATION OF 'EXISTING FREEBURN LESS STOCKPILE', 'FILL SETTLEMENT FREEBURN', 'EXISTING PIT 1 STRIPPED BASE', 'DESIGN PIT 1 BASE' , DESIGN PIT 1 UNCONTROLLED FILL' AND 'EXISTING PIT 2 STRIPPED BASE' SURFACES.
3. THE 'SUPER DESIGN PIT 2 WALL EXCAVATION' IS MADE UP OF A COMBINATION OF 'DESIGN PIT 2 WALL EXCAVATION' AND 'DESIGN PIT 2 TEMPORARY PILING BENCH' SURFACES
4. REFER TO 'EXISTING AND PROPOSED SURFACE INFORMATION' SHEET FOR SURFACE INFORMATION AND ASSUMPTIONS

CUT/FILL VOLUMES

PIT 2 EXCAVATION VOLUME (WITH TEMPORARY BENCH) = 44961.04m³
PIT 2 EXCAVATION VOLUME (NO TEMPORARY BENCH) = 49855.74m³

Issue	Description	DR	CH	VE	Date
B	ISSUED FOR CLIENT REVIEW	RS	IS	JH	04.03.26
A	ISSUED FOR CLIENT REVIEW	RS	IS	JH	24.02.26

Scales

0 10 20 40 60 80 100m

1 : 1000

100mm on Original

Surveyor

LTS

Client

Goodman

Status

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	I. SUMMERS	Height Datum	AHD
Project Manager	K. MCAREAVEY	Grid	MGA/20-56
Verified	J. HEYDON		

Project

225-245 MARTIN ROAD,
BRADFIELD
BULK EARTHWORKS,
REHABILITATION AND QUARRYING

Title

PIT 2 EXCAVATION
PLAN

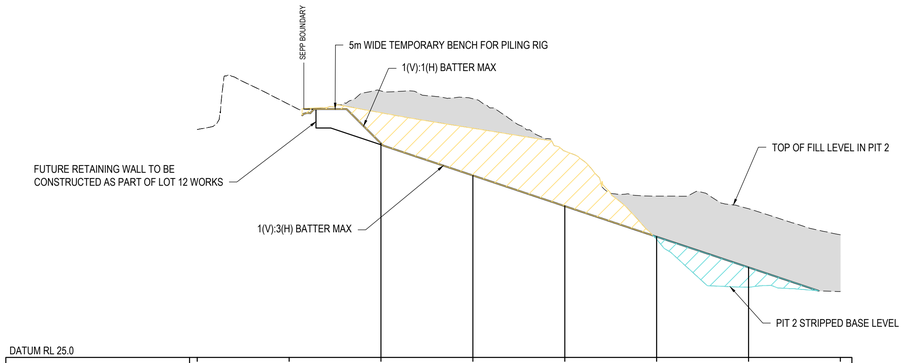
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ABN 76 104 485 289
Tel No: +61 2 8907 9000
www.arcadis.com/au

Project Number: 30271198

Drawing No.: MAR-AAP-DA-R02-DRG-CI-0095

Issue: B

Date Plotted: 4 Mar 2026 - 09:20AM File Name: C:\Users\azaz3098\DC\ACCDocs\Arcadis ACC AU\AAU-30281481-265 Martin Road Project Maverick\Project Files\10_WIP\10_AAP_Civil\R02\DRG\MAR-AAP-DA-R02-DRG-CI-0095-Pit2ExcavationPlan.dwg

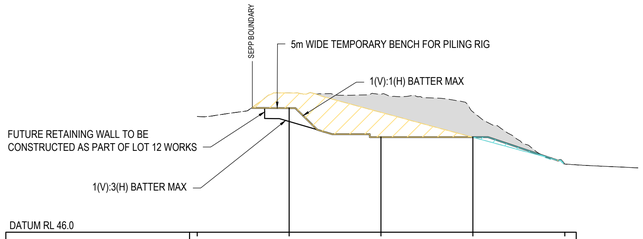


DATUM RL 25.0

PIT 2 WALL EXCAVATION			59.92	54.70	49.69	44.69	39.69
CUT / FILL DEPTH			-8.19	-6.99	-8.98	0.43	3.24
EXISTING SURFACE	62.19	66.28	64.93	62.40	58.67	44.26	36.46	35.74
CHAINAGE	0.000	15.000	30.000	45.000	60.000	75.000	90.000	105.000

SECTION 23 LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:500 VERT.

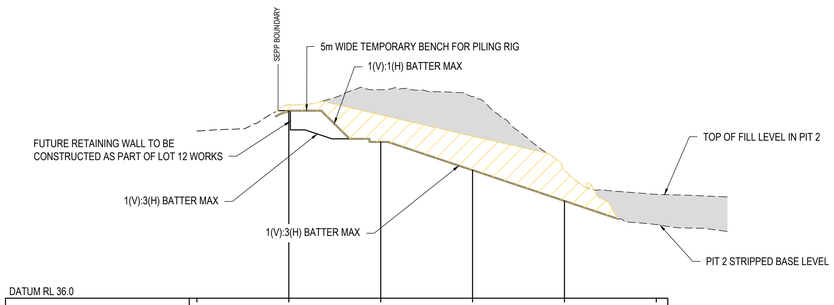


DATUM RL 46.0

PIT 2 WALL EXCAVATION		66.26	61.50	61.50	
CUT / FILL DEPTH		-2.45	-3.28	1.45	
EXISTING SURFACE	64.87	68.71	65.55	61.49	57.12
CHAINAGE	0.000	15.000	30.000	45.000	60.000

SECTION 21 LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:500 VERT.



DATUM RL 36.0

PIT 2 WALL EXCAVATION		66.51	61.50	56.88	51.87	
CUT / FILL DEPTH		-1.04	-5.61	-4.79	-5	
EXISTING SURFACE	63.27	67.55	65.93	62.44	56.87	48.01
CHAINAGE	0.000	15.000	30.000	45.000	60.000	75.000

SECTION 22 LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:500 VERT.

Issue	Description	DR	CH	VE	Date
B	ISSUED FOR CLIENT REVIEW	RS	IS	JH	04.03.26
A	ISSUED FOR CLIENT REVIEW	RS	IS	JH	24.02.26

Scales

0 5 10 20 30 40 50m

1 : 500

Surveyor

LTS

Client

Goodman

Status

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	I. SUMMERS	Height Datum	AHD
Project Manager	K. MCAREAVEY	Grid	MGA/20-56
Verified	J. HEYDON		

Project

225-245 MARTIN ROAD,
BRADFIELD
BULK EARTHWORKS,
REHABILITATION AND QUARRYING

Title

PIT 2 EXCAVATION
SECTIONS

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 15, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
www.arcadis.com/au

Project Number: 30271198

Drawing No.: MAR-AAP-DA-R02-DRG-CI-0096

Issue: B

100mm on Original

Date Plotted: 4 Mar 2026 - 09:21AM File Name: C:\Users\azaz3098\DC\ACCDocs\Arcadis ACC AU\AAU-30281481-265 Martin Road Project Maverick\Project Files\10_WIP\10_AAP_Civil\R02\DRG\MAR-AAP-DA-R02-DRG-CI-0096-Pit2ExcavationSections.dwg

CUT FILL DEPTH RANGE

LOWER VALUE		UPPER VALUE	COLOUR
-9999m	to	-15m	
-15m	to	-12m	
-12m	to	-10m	
-10m	to	-8m	
-8m	to	-5m	
-5m	to	-2m	
-2m	to	0m	
0m	to	2m	
2m	to	5m	
5m	to	8m	
8m	to	10m	
10m	to	12m	
12m	to	15m	
15m	to	9999m	

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- EXISTING WATER (w)
- EXISTING ELECTRICAL OVERHEAD (oh)
- EXISTING GAS (g)
- EXISTING STORMWATER (swd)
- EXISTING SEWER (s)
- SERVICE UNKOWN
- PROPOSED PRECINCT BOUNDARY
- PROPOSED EASEMENT
- PROPOSED BOUNDARY
- 50.00 EXISTING CONTOURS
- 50.00 BULK EARTHWORKS PROPOSED CONTOURS

BADGERYS CREEK

FUTURE NORTH-WEST REGIONAL BASIN TO BE USED FOR SEDIMENT AND EROSION CONTROL DURING BULK EARTHWORKS PHASE.

F 0129

LOT 7

LOT 8

LOT 1

CONNECT TO EXISTING GAS MAIN

BORAL LAND

LOT 2

LOT 3A

LOT 3B

FUTURE TRUNK DRAINAGE CHANNEL TO BE BOXED OUT AND BUNDED AT DOWNSTREAM END

FUTURE SOUTH-WEST REGIONAL BASIN TO BE USED FOR SEDIMENT AND EROSION CONTROL DURING BULK EARTHWORKS PHASE.

E 0127-0128

LOT 10

LOT 9A

BRICK PLANT

PIT 1

FUTURE NORTH-EAST REGIONAL BASIN TO BE USED FOR SEDIMENT AND EROSION CONTROL DURING BULK EARTHWORKS PHASE.

LOT 4

LOT 11

LOT 9B

LOT 6A

D 0125-0126

PIT 2

LOT 12

SOUTH CREEK

FUTURE SOUTH-EAST REGIONAL BASIN TO BE USED FOR SEDIMENT AND EROSION CONTROL DURING BULK EARTHWORKS PHASE.

PIT 3

LOT 6B

LOT 5

A 0121

B 0122-0123

C 0124

CONNECT TO EXISTING GAS MAIN

CONTRACTOR TO ENSURE WORKS ARE UNDERTAKEN IN ACCORDANCE WITH JEMENA'S GUIDELINE TO DESIGNING, CONSTRUCTING AND OPERATING AROUND THE EXISTING AS4645 NATURAL GAS NETWORK

NOTES

1. THE VOLUMES BELOW HAVE BEEN CALCULATED BETWEEN 'DESIGN LOWEST POINT SURFACE FREEBURN' AND 'DESIGN REHABILITATION'
2. THE 'DESIGN LOWEST POINT SURFACE IS MADE UP OF A COMBINATION OF 'EXISTING LESS STOCKPILE', 'FILL SETTLEMENT', 'EXISTING PIT 1 STRIPPED BASE', 'DESIGN PIT 1 BASE' , 'DESIGN PIT 1 UNCONTROLLED FILL', 'EXISTING PIT 2 STRIPPED BASE', 'DESIGN TOPSOIL', DESIGN PIT 1 EXCAVATION, DESIGN PIT 2 EXCAVATION SURFACES.
3. REFER TO DRAWING MAR-AAP-DA-R02-DRG-CI-0021 FOR SURFACE INFORMATION AND ASSUMPTIONS
4. EARTHWORKS LEVELS ARE DEPENDANT ON FINAL ESTATE AND ON-LOT WORKS DESIGN AND ARE SUBJECT TO CHANGE
5. CONTRACTOR TO ENSURE AT MINIMUM 0.3% GRADE FALL TOWARDS ALL SWALES AND BASINS

CUT/FILL VOLUMES

CUT	-1,235,664.45 m³
FILL	5,742,828.18 m³
BALANCE	4,632,754.28 m³

OVERALL CUT/FILL VOLUMES

VOLUMES SHOWN BELOW CONSIDER STOCKPILE, UNCONTROLLED FILL AND PIT 1 AND 2 EXCAVATION MATERIAL

CUT	-4,636,020.12 m³
FILL	6,502,201.34 m³
BALANCE	1,866,181.21 m³

Issue	Description	DR	CH	VE	Date
B	ISSUED FOR CLIENT REVIEW	RS	IS	JH	04.03.26
A	ISSUED FOR CLIENT REVIEW	RS	IS	JH	24.02.26

Scales

0 50 100 150 200 250m

1 : 2500

Surveyor: LTS

Client: Goodman

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	I. SUMMERS	Height Datum	AHD
Project Manager	K. MCAREAVEY	Grid	MGA/20-56
Verified	J. HEYDON		

Project: 225-245 MARTIN ROAD, BRADFIELD
BULK EARTHWORKS, REHABILITATION AND QUARRYING

Title: CUT AND FILL PLAN

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 15, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
www.arcadis.com/au

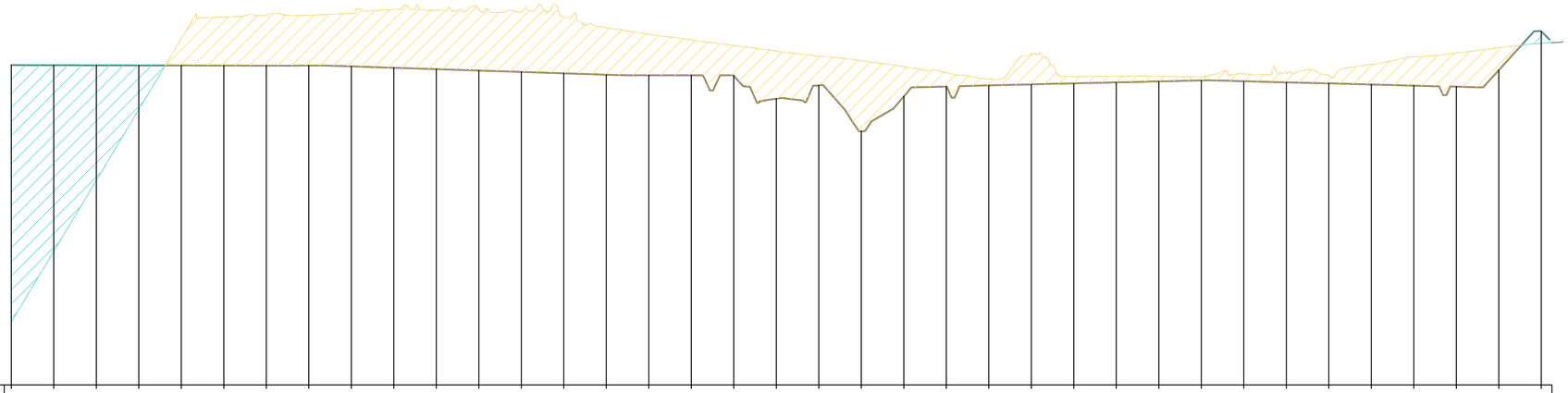
Project Number: 30271198

Drawing No.: MAR-AAP-DA-R02-DRG-CI-0101

Issue: B

100mm on Original

Date Plotted: 4 Mar 2026 - 04:09PM File Name: C:\Users\azaz3098\DC\ACCDocs\Arcadis ACC AU\AAU-30281481-265 Martin Road Project Maverick\Project Files\10_WIP\10_AAP_Civil\R02\DRG\MAR-AAP-DA-R02-DRG-CI-0101-CutandFillPlan.dwg



DATUM RL 38.0

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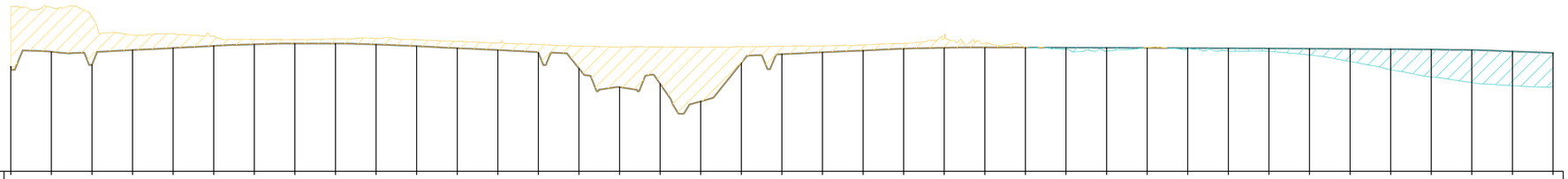
LEGEND

CUT

FILL

NOTES

1. THE VOLUMES BELOW HAVE BEEN CALCULATED BETWEEN 'DESIGN LOWEST POINT SURFACE FREEBURN' AND 'DESIGN REHAB'
2. THE 'DESIGN LOWEST POINT SURFACE FREEBURN' IS MADE UP OF A COMBINATION OF 'EXISTING FREEBURN LESS STOCKPILE', 'FILL SETTLEMENT FREEBURN', 'EXISTING PIT 1 STRIPPED BASE', 'DESIGN PIT 1 BASE' , 'DESIGN PIT 1 UNCONTROLLED FILL', 'EXISTING PIT 2 STRIPPED BASE', DESIGN PIT 1 EXCAVATION, SUPER DESIGN PIT 2 EXCAVATION SURFACES.
3. REFER TO DRAWING MAR-AAP-DA-R02-DRG-CI-0021 FOR SURFACE INFORMATION AND ASSUMPTIONS
4. EARTHWORKS LEVELS ARE DEPENDANT ON FINAL ESTATE AND ON-LOT WORKS DESIGN AND ARE SUBJECT TO CHANGE
5. CONTRACTOR TO ENSURE AT MINIMUM 0.3% GRADE FALL TOWARDS ALL SWALES AND BASINS

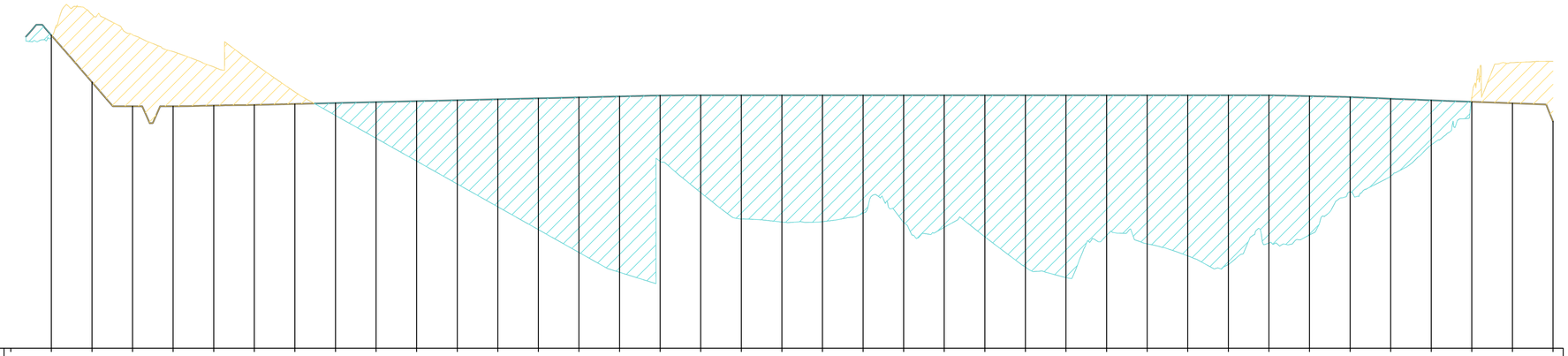


DATUM RL 54.0

CHAINAGE	REHABILITATION LEVEL	CUT / FILL DEPTH	LOWEST POINT SURVEY SURFACE
570.000	61.75	-4.52	66.20
585.000	62.85	-3.23	66.13
600.000	61.89	-3.23	65.43
615.000	62.97	-1.18	64.07
630.000	63.12	-0.97	64.18
645.000	63.28	-0.65	64.01
660.000	63.40	-0.34	63.76
675.000	63.46	-0.28	63.74
690.000	63.46	-0.33	63.81
705.000	63.39	-0.46	63.83
720.000	63.26	-0.47	63.74
735.000	63.12	-0.5	63.62
750.000	62.97	-0.53	63.49
765.000	62.76	-0.63	63.39
780.000	61.62	-1.69	63.26
795.000	60.23	-3.03	63.20
810.000	60.47	-2.72	63.21
825.000	59.17	-4.03	63.19
840.000	62.02	-1.19	63.22
855.000	62.67	-0.56	63.25
870.000	62.81	-0.45	63.28
885.000	62.94	-0.38	63.35
900.000	63.07	-0.39	63.47
915.000	63.14	-0.76	63.83
930.000	63.17	-0.25	63.48
945.000	63.16	-0	63.18
960.000	63.15	0.14	63.02
975.000	63.14	-0.03	62.89
990.000	63.13	-0.11	63.17
1005.000	63.12	-0.25	63.05
1020.000	63.11	-0.09	62.91
1035.000	63.09	0	62.88
1050.000	63.08	0.29	62.61
1065.000	63.06	0.73	62.13
1080.000	63.04	1.26	61.51
1095.000	63.02	1.76	60.99
1110.000	62.98	2.15	60.57
1125.000	62.87	2.28	60.33
1140.000	62.76	2.3	60.23

SECTION B LONGITUDINAL SECTION

SCALE 1:1000 HORI.
1:200 VERT.



DATUM RL 45.0

CHAINAGE	REHABILITATION LEVEL	CUT / FILL DEPTH	LOWEST POINT SURVEY SURFACE
0.000			
15.000	68.12	-1.01	67.97
30.000	64.66	-6.34	69.67
45.000	62.88	-7.24	68.17
60.000	62.88	-6.35	66.92
75.000	62.93	-5.39	65.79
90.000	62.98	-4.92	66.03
105.000	63.05	-4.69	63.94
120.000	63.12	-4.45	62.20
135.000	63.19	-4.37	60.92
150.000	63.26	-4.3	58.83
165.000	63.33	-4.17	57.14
180.000	63.40	-4.03	55.45
195.000	63.47	-3.71	53.76
210.000	63.54	-2.97	52.08
225.000	63.61	-2.52	50.61
240.000	63.67	-2.12	50.81
255.000	63.69	-1.59	56.51
270.000	63.69	-1.03	54.55
285.000	63.69	-0.15	54.33
300.000	63.69	0.4	54.36
315.000	63.69	0.45	54.97
330.000	63.69	0.36	54.29
345.000	63.69	-0.14	53.94
360.000	63.69	-0.85	53.24
375.000	63.69	-1.64	51.00
390.000	63.69	-2.73	50.22
405.000	63.69	-0.14	53.33
420.000	63.69	2.6	52.71
435.000	63.69	3.04	51.82
450.000	63.69	0.26	51.19
465.000	63.69	-1.11	52.77
480.000	63.63	-0.39	53.37
495.000	63.56	-1.3	56.58
510.000	63.44	-2.11	57.75
525.000	63.33	-2.46	60.03
540.000	63.21	-2.57	63.55
555.000	63.10	-2.84	66.11
570.000	61.75	-4.52	66.20

SECTION B LONGITUDINAL SECTION

SCALE 1:1000 HORI.
1:200 VERT.

Issue	Description	DR	CH	VE	Date
C	ISSUED FOR CLIENT REVIEW	RS	IS	JH	04.03.26
B	ISSUED FOR CLIENT REVIEW	RS	IS	JH	24.02.26
A	ISSUED FOR CLIENT REVIEW	RS	IS	-	18.12.25

100mm on Original

Scales

0 10 20 40 60 80 100m

1 : 1000

0 5 10 15 20m

1 : 200

Surveyor

LTS

Client

Goodman

Status

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	I. SUMMERS	Height Datum	AHD
Project Manager	K. MCAREAVEY	Grid	MGA/20-56
Verified	J. HEYDON		

Project

225-245 MARTIN ROAD,
BRADFIELD
BULK EARTHWORKS,
REHABILITATION AND QUARRYING

Title

EARTHWORKS SITE SECTIONS
SHEET 2

ARCADIS

Arcadis Australia Pacific Pty Limited
Level 15, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289

Tel No: +61 2 8907 9000
www.arcadis.com/au

Project Number: 30271198

Drawing No.: MAR-AAP-DA-R02-DRG-CI-0122

Issue: C

Date Plotted: 3 Mar 2026 - 06:01PM File Name: C:\Users\azaz3098\DC\ACCDocs\Arcadis ACC AU\AAU-30281481-265 Martin Road Project Maverick\Project Files\10_WIP\10_AAP_Civil\R02\DRG\MAR-AAP-DA-R02-DRG-CI-0121-EarthworksSiteSections.dwg

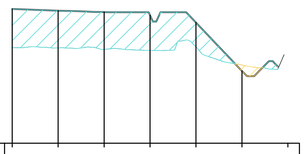
LEGEND

CUT

FILL

NOTES

1. THE VOLUMES BELOW HAVE BEEN CALCULATED BETWEEN 'DESIGN LOWEST POINT SURFACE FREEBURN' AND 'DESIGN REHAB'
2. THE 'DESIGN LOWEST POINT SURFACE FREEBURN' IS MADE UP OF A COMBINATION OF 'EXISTING FREEBURN LESS STOCKPILE', 'FILL SETTLEMENT FREEBURN', 'EXISTING PIT 1 STRIPPED BASE', 'DESIGN PIT 1 BASE' , 'DESIGN PIT 1 UNCONTROLLED FILL', 'EXISTING PIT 2 STRIPPED BASE', DESIGN PIT 1 EXCAVATION, SUPER DESIGN PIT 2 EXCAVATION SURFACES.
3. REFER TO DRAWING MAR-AAP-DA-R02-DRG-CI-0021 FOR SURFACE INFORMATION AND ASSUMPTIONS
4. EARTHWORKS LEVELS ARE DEPENDANT ON FINAL ESTATE AND ON-LOT WORKS DESIGN AND ARE SUBJECT TO CHANGE
5. CONTRACTOR TO ENSURE AT MINIMUM 0.3% GRADE FALL TOWARDS ALL SWALES AND BASINS



DATUM RL 54.0

REHABILITATION LEVEL	62.76	62.65	62.56	62.34	61.87	58.72	
CUT / FILL DEPTH	2.3	2.22	2.35	2.12	1.37	-0.57	
LOWEST POINT SURVEY SURFACE	60.23	60.22	60.12	60.06	60.28	59.10	
CHAINAGE	1140.000	1155.000	1170.000	1185.000	1200.000	1215.000	1230.000

SECTION B LONGITUDINAL SECTION

SCALE 1:1000 HORI.
1:200 VERT.

Issue	Description	DR	CH	VE	Date
C	ISSUED FOR CLIENT REVIEW	RS	IS	JH	04.03.26
B	ISSUED FOR CLIENT REVIEW	RS	IS	JH	24.02.26
A	ISSUED FOR CLIENT REVIEW	RS	IS	-	18.12.25

Scales

0 10 20 40 60 80 100m

1 : 1000

0 5 10 15 20m

1 : 200

Surveyor

LTS

Client

Goodman

Status

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	I. SUMMERS	Height Datum	AHD
Project Manager	K. MCAREAVEY	Grid	MGA/20-56
Verified	J. HEYDON		

Project

225-245 MARTIN ROAD, BRADFIELD
BULK EARTHWORKS, REHABILITATION AND QUARRYING

Title

EARTHWORKS SITE SECTIONS
SHEET 3

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 15, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
www.arcadis.com/au

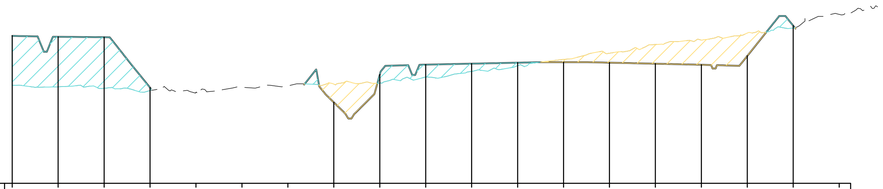
Project Number 30271198

Drawing No. MAR-AAP-DA-R02-DRG-CI-0123

Issue C

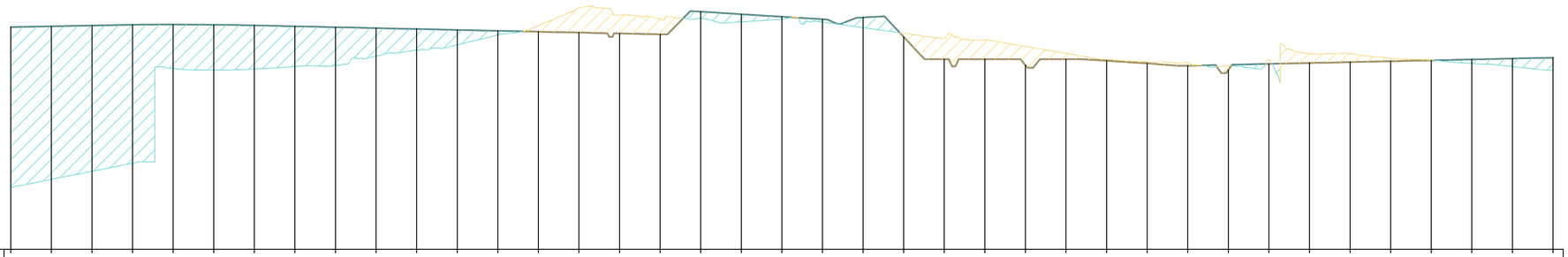
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Date Plotted: 3 Mar 2026 - 06:02PM File Name: C:\Users\azaz3098\DC\ACCDocs\Arcadis ACC AU\AAU-30281481-265 Martin Road Project Maverick\Project Files\10_WIP\10_AAP_Civil\R02\DRG\MAR-AAP-DA-R02-DRG-CI-0121-EarthworksSiteSections.dwg



DATUM RL 46.0

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DATUM RL 47.0

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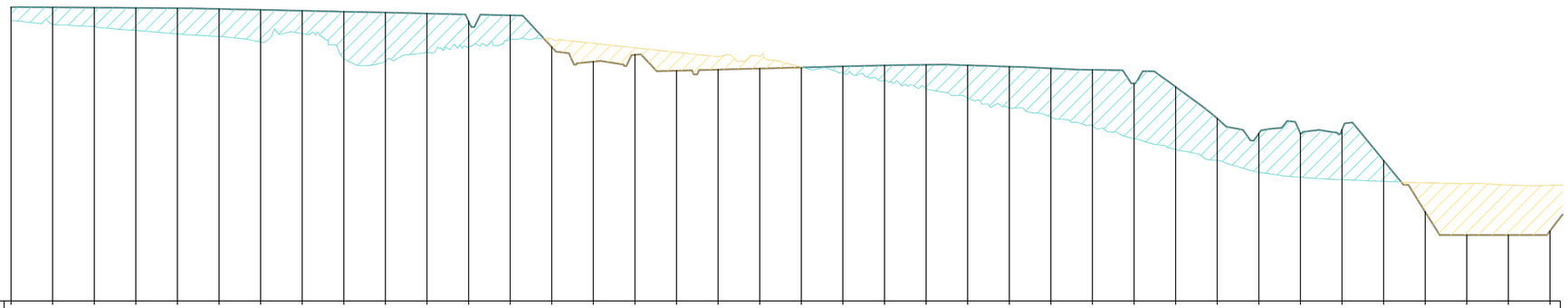
LEGEND

CUT

FILL

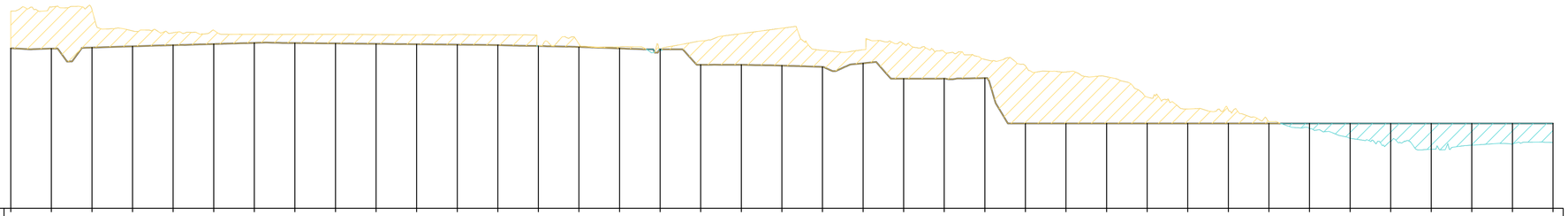
NOTES

1. THE VOLUMES BELOW HAVE BEEN CALCULATED BETWEEN 'DESIGN LOWEST POINT SURFACE FREEBURN' AND 'DESIGN REHAB'
2. THE 'DESIGN LOWEST POINT SURFACE FREEBURN' IS MADE UP OF A COMBINATION OF 'EXISTING FREEBURN LESS STOCKPILE', 'FILL SETTLEMENT FREEBURN', 'EXISTING PIT 1 STRIPPED BASE', 'DESIGN PIT 1 BASE' , 'DESIGN PIT 1 UNCONTROLLED FILL', 'EXISTING PIT 2 STRIPPED BASE', DESIGN PIT 1 EXCAVATION, SUPER DESIGN PIT 2 EXCAVATION SURFACES.
3. REFER TO DRAWING MAR-AAP-DA-R02-DRG-CI-0021 FOR SURFACE INFORMATION AND ASSUMPTIONS
4. EARTHWORKS LEVELS ARE DEPENDANT ON FINAL ESTATE AND ON-LOT WORKS DESIGN AND ARE SUBJECT TO CHANGE
5. CONTRACTOR TO ENSURE AT MINIMUM 0.3% GRADE FALL TOWARDS ALL SWALES AND BASINS



DATUM RL 40.0

| | | |



DATUM RL 51.0

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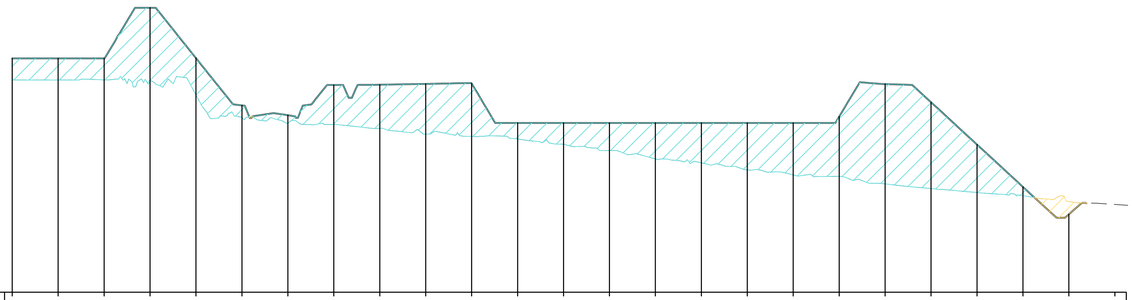
LEGEND

CUT

FILL

NOTES

1. THE VOLUMES BELOW HAVE BEEN CALCULATED BETWEEN 'DESIGN LOWEST POINT SURFACE FREEBURN' AND 'DESIGN REHAB'
2. THE 'DESIGN LOWEST POINT SURFACE FREEBURN' IS MADE UP OF A COMBINATION OF 'EXISTING FREEBURN LESS STOCKPILE', 'FILL SETTLEMENT FREEBURN', 'EXISTING PIT 1 STRIPPED BASE', 'DESIGN PIT 1 BASE' , 'DESIGN PIT 1 UNCONTROLLED FILL', 'EXISTING PIT 2 STRIPPED BASE', DESIGN PIT 1 EXCAVATION, SUPER DESIGN PIT 2 EXCAVATION SURFACES.
3. REFER TO DRAWING MAR-AAP-DA-R02-DRG-CI-0021 FOR SURFACE INFORMATION AND ASSUMPTIONS
4. EARTHWORKS LEVELS ARE DEPENDANT ON FINAL ESTATE AND ON-LOT WORKS DESIGN AND ARE SUBJECT TO CHANGE
5. CONTRACTOR TO ENSURE AT MINIMUM 0.3% GRADE FALL TOWARDS ALL SWALES AND BASINS



DATUM RL 42.0

REHABILITATION SURFACE	57.26	57.26	57.26	60.56	57.29	54.20	53.55	55.53	55.54	55.60	55.62	53.05	53.05	53.05	53.05	53.05	53.05	53.05	53.46	55.59	54.39	51.63	48.87	47.09		
CUT / FILL DEPTH	1.77	1.76	1.75	4.99	2.23	0.64	0.3	2.5	2.76	3.06	3.37	1.04	1.39	1.82	2.25	2.57	2.96	3.32	4	6.42	5.52	2.99	0.43	-1.11		
LOWEST POINT SURVEY SURFACE	55.85	55.85	55.86	55.73	54.87	53.42	53.02	52.94	52.69	52.32	52.17	52.00	51.66	51.25	50.70	50.44	49.98	49.65	49.57	49.07	48.76	48.51	48.30	47.92	47.73	
CHAINAGE	1140.000	1155.000	1170.000	1185.000	1200.000	1215.000	1230.000	1245.000	1260.000	1275.000	1290.000	1305.000	1320.000	1335.000	1350.000	1365.000	1380.000	1395.000	1410.000	1425.000	1440.000	1455.000	1470.000	1485.000	1500.000	

SECTION E LONGITUDINAL SECTION

SCALE 1:1000 HORI.
1:200 VERT.

Issue	Description	DR	CH	VE	Date
C	ISSUED FOR CLIENT REVIEW	RS	IS	JH	04.03.26
B	ISSUED FOR CLIENT REVIEW	RS	IS	JH	04.02.26
A	ISSUED FOR CLIENT REVIEW	RS	IS	-	18.12.25

Scales

0 10 20 40 60 80 100m

1 : 1000

0 5 10 15 20m

1 : 200

Surveyor: LTS

Client: Goodman

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	I. SUMMERS	Height Datum	AHD
Project Manager	K. MCAREAVEY	Grid	MGA/20-56
Verified	J. HEYDON		

Project: 225-245 MARTIN ROAD, BRADFIELD
BULK EARTHWORKS, REHABILITATION AND QUARRYING

Title: EARTHWORKS SITE SECTIONS SHEET 8

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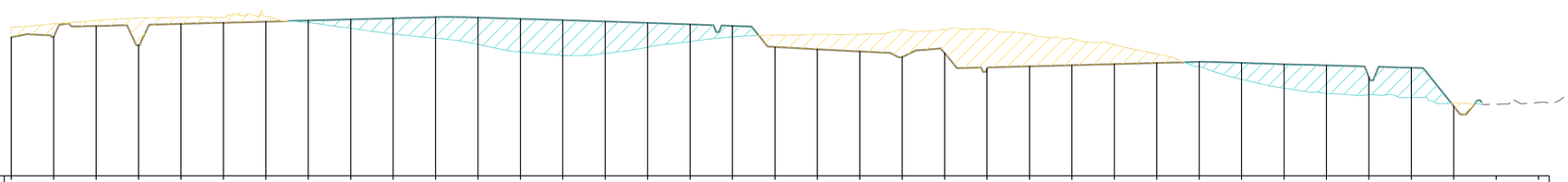
Project Number: 30271198

Drawing No.: MAR-AAP-DA-R02-DRG-CI-0128

Issue: C

100mm on Original

Date Plotted: 3 Mar 2026 - 06:08PM File Name: C:\Users\azaz3098\DC\ACCDocs\Arcadis ACC AU\AAU-30281481-265 Martin Road Project Maverick\Project Files\10_WIP\10_AAP_Civil\R02\DRG\MAR-AAP-DA-R02-DRG-CI-0121-EarthworksSiteSections.dwg



DATUM RL 52.0

| | | |



LEGEND

- EXISTING BOUNDARY
- PROPOSED PRECINCT BOUNDARY

NOTES

1. THE CONTAINMENT CELL IS DESIGNED TO ACCOMMODATE A MAXIMUM OF 100,000m³ OF CONTAMINATED MATERIAL.
2. THE CONTRACTOR SHALL VERIFY ACTUAL ON SITE CONTAMINATED MATERIAL VOLUMES PRIOR TO COMMENCEMENT OF CELL CONSTRUCTION. IF THE VERIFIED VOLUME IS LESS THAN 100,000m³, THE CONTRACTOR SHALL REVISE THE CELL DESIGN ACCORDINGLY AND OBTAIN ACCEPTANCE OF THE REVISED DESIGN FROM THE GEOTECHNICAL ENGINEER AND SITE SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORKS.
3. THE CONTAINMENT CELL DESIGN, INCLUDING CAPPING LAYER AND ANY LINING SHALL BE IN ACCORDANCE WITH THE STRATEGY AND DESIGN PRESENTED IN THE SITE WIDE REMEDIAL ACTION PLAN, PREPARED BY JBS&G.

Issue	Description	DR	CH	VE	Date
B	ISSUED FOR CLIENT REVIEW	RS	IS	JH	04.03.26
A	ISSUED FOR CLIENT REVIEW	RS	IS	JH	24.02.26

100mm on Original

Scales

N

0 5 10 20 30 40 50m

1 : 500

Surveyor

LTS

Client

Goodman

Status

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Original Issue Signatures

Drawn	R. SANTOS	Original Size	A1
Designed	I. SUMMERS	Height Datum	AHD
Project Manager	K. MCAREAVEY	Grid	MGA/20-56
Verified	J. HEYDON		

Project

225-245 MARTIN ROAD, BRADFIELD
BULK EARTHWORKS, REHABILITATION AND QUARRYING

Title

CONTAINMENT CELL PLAN

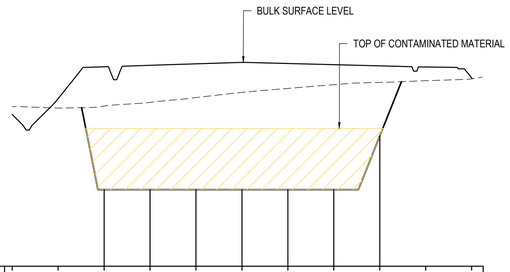
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Project Number: 30271198

Drawing No.: MAR-AAP-DA-R02-DRG-CI-0141

Issue: B

Date Plotted: 4 Mar 2026 - 04:10PM File Name: C:\Users\azaz3098\DC\ACCDocs\Arcadis ACC AUAAU-30281481-265 Martin Road Project Maverick\Project Files\10_WIP\10_AAP_Civil\R02\DRG\MAR-AAP-DA-R02-DRG-CI-0141-ContainmentCellPlan.dwg

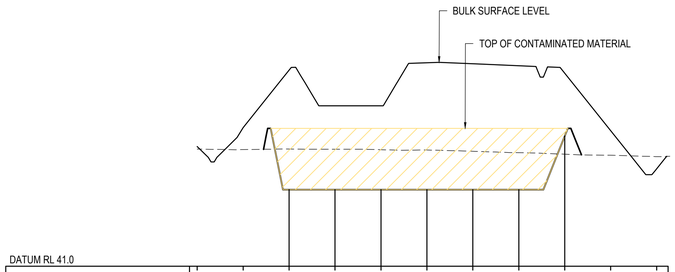


DATUM RL 41.0

FINISHED SURFACE	50.91	51.95	54.02	54.12	54.21	54.31	54.23	54.16	54.08	54.01	53.29
CONTAINMENT CELL BASE			46.00	46.00	46.00	46.00	46.00	46.00	49.50		
CUT / FILL DEPTH			-5.46	-5.7	-6.01	-6.35	-6.61	-6.85	-3.5		
EXISTING SURFACE	51.42	51.33	51.46	51.70	52.01	52.35	52.61	52.85	53.00	53.11	53.24
CHAINAGE	0.000	15.000	30.000	45.000	60.000	75.000	90.000	105.000	120.000	135.000	150.000

SECTION B LONGITUDINAL SECTION

SCALE 1:1000 HORI.
1:200 VERT.

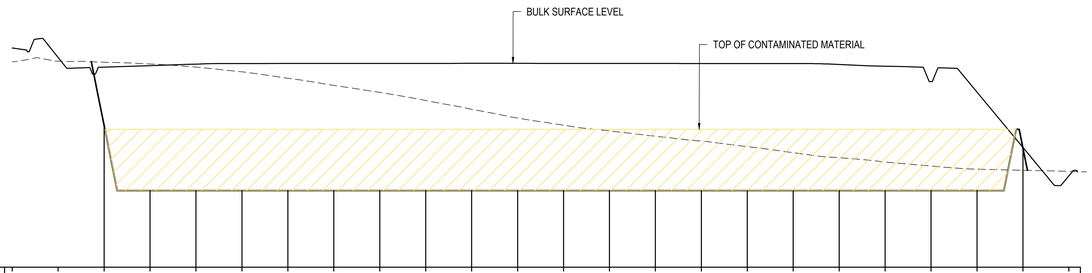


DATUM RL 41.0

FINISHED SURFACE	48.82	50.05	53.80	51.48	51.48	54.28	54.22	54.09	53.60	49.85	47.36
CONTAINMENT CELL BASE			46.00	46.00	46.00	46.00	46.00	46.00	49.50		
CUT / FILL DEPTH			-2.65	-2.64	-2.61	-2.59	-2.5	-2.41	1.18		
EXISTING SURFACE	48.65	48.62	48.65	48.64	48.61	48.59	48.50	48.41	48.32	48.25	48.16
CHAINAGE	0.000	15.000	30.000	45.000	60.000	75.000	90.000	105.000	120.000	135.000	150.000

SECTION C LONGITUDINAL SECTION

SCALE 1:1000 HORI.
1:200 VERT.



DATUM RL 41.0

FINISHED SURFACE	55.31	54.69	54.06	54.16	54.26	54.30	54.30	54.30	54.30	54.31	54.31	54.31	54.31	54.30	54.30	54.30	54.30	54.29	54.23	54.12	53.12	52.43	48.82	46.96
CONTAINMENT CELL BASE			50.25	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	48.79	
CUT / FILL DEPTH			-4.13	-8.27	-8.06	-7.75	-7.34	-6.87	-6.42	-5.89	-5.31	-4.74	-4.27	-3.9	-3.55	-3.23	-2.88	-2.48	-2.15	-1.87	-1.61	-1.4	1.46	
EXISTING SURFACE	54.41	54.45	54.38	54.27	54.06	53.75	53.34	52.87	52.42	51.89	51.31	50.74	50.27	49.90	49.55	49.23	48.88	48.48	48.15	47.87	47.61	47.40	47.33	47.26
CHAINAGE	0.000	15.000	30.000	45.000	60.000	75.000	90.000	105.000	120.000	135.000	150.000	165.000	180.000	195.000	210.000	225.000	240.000	255.000	270.000	285.000	300.000	315.000	330.000	345.000

SECTION A LONGITUDINAL SECTION

SCALE 1:1000 HORI.
1:200 VERT.

Issue	Description	DR	CH	VE	Date
B	ISSUED FOR CLIENT REVIEW	RS	IS	JH	04.03.26
A	ISSUED FOR CLIENT REVIEW	RS	IS	JH	24.02.26

Scales

0 10 20 40 60 80 100m

1 : 1000

0 5 10 15 20m

1 : 200

100mm on Original

Surveyor

LTS

Client

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Status
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Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	I. SUMMERS	Height Datum	AHD
Project Manager	K. MCAREAVEY	Grid	MGA/20-56
Verified	J. HEYDON		

Project
225-245 MARTIN ROAD, BRADFIELD
BULK EARTHWORKS, REHABILITATION AND QUARRYING

Title
CONTAINMENT CELL SECTIONS

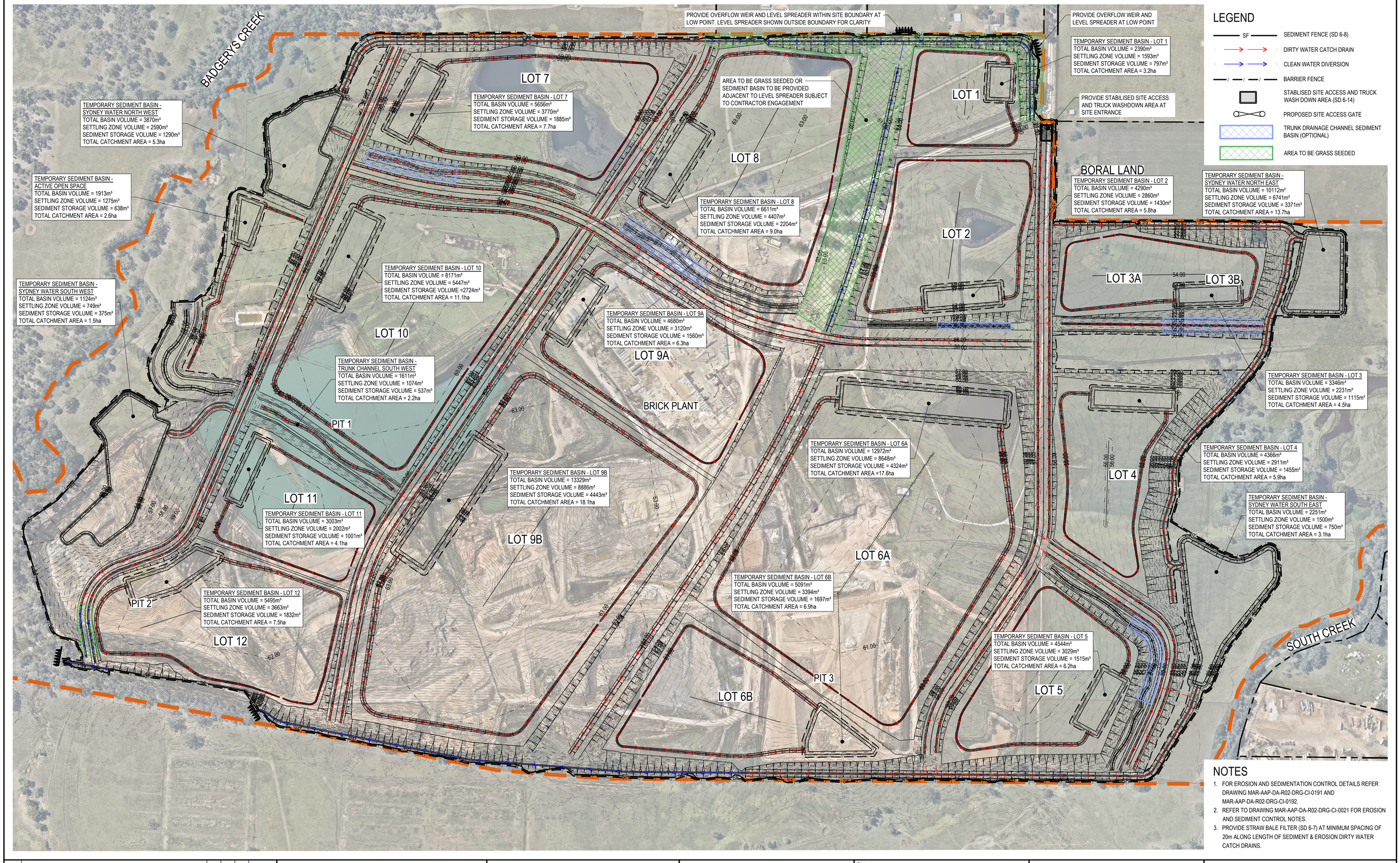
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Project Number: 30271198

Drawing No.: MAR-AAP-DA-R02-DRG-CI-0142

Issue: B

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NOTES

1. FOR EROSION AND SEDIMENTATION CONTROL DETAILS REFER DRAWING MAR-AAP-DA-R02-DRG-CI-0191 AND MAR-AAP-DA-R02-DRG-CI-0192.
2. REFER TO DRAWING MAR-AAP-DA-R02-DRG-CI-0021 FOR EROSION AND SEDIMENT CONTROL NOTES.
3. PROVIDE STRAW BALE FILTER (SD 6-7) AT MINIMUM SPACING OF 20m ALONG LENGTH OF SEDIMENT & EROSION DIRTY WATER CATCH DRAINS.

Issue	Description	DR	CH	VE	Date
C	ISSUED FOR CLIENT REVIEW	RS	IS	JH	04.03.26
B	ISSUED FOR CLIENT REVIEW	RS	IS	JH	24.02.26
A	ISSUED FOR CLIENT REVIEW	RS	IS	-	18.12.25

Scales

0 50 100 150 200 250m

1 : 2500

100mm on Original

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Status

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Drawn	R. SANTOS	Original Size	A1
Designed	I. SUMMERS	Height Datum	AHD
Project Manager	K. MCAREAVEY	Grid	MGA/20-56
Verified	J. HEYDON		

Project

225-245 MARTIN ROAD, BRADFIELD
BULK EARTHWORKS, REHABILITATION AND QUARRYING

Title

EROSION AND SEDIMENT CONTROL PLAN

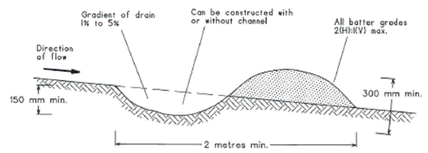
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Project Number: 30271198

Drawing No.: MAR-AAP-DA-R02-DRG-CI-0171

Issue: C

Date Plotted: 4 Mar 2026 - 04:11PM File Name: C:\Users\azaz3098\DC\ACCDocs\Arcadis ACC AU\AAU-30281481-265 Martin Road Project Maverick\Project Files\10_WIP\10_AAP_Civil\R02\DRG\MAR-AAP-DA-R02-DRG-CI-0171-ErosionAndSedimentControlPlan.dwg

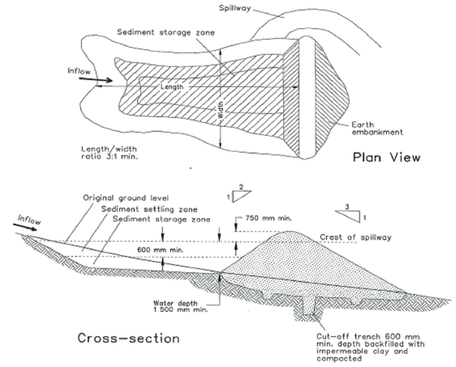


NOTE: Only to be used as temporary bank where maximum upslope length is 80 metres.

Construction Notes

1. Build with gradients between 1 percent and 5 percent.
2. Avoid removing trees and shrubs if possible - work around them.
3. Ensure the structures are free of projections or other irregularities that could impede water flow.
4. Build the drains with circular, parabolic or trapezoidal cross sections, not V shaped.
5. Ensure the banks are properly compacted to prevent failure.
6. Complete permanent or temporary stabilisation within 10 days of construction.

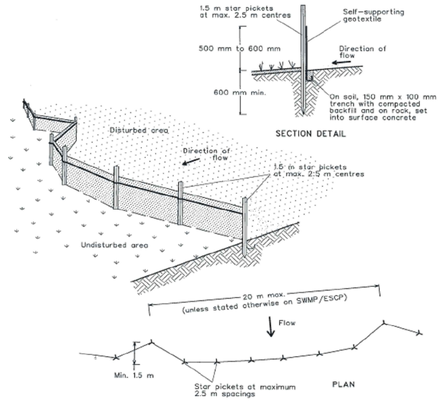
EARTH BANK LOW FLOW (SD 5-5)



Construction Notes

1. Remove all vegetation and topsoil from under the dam wall and from within the storage area.
2. Construct a cut-off trench 500 mm deep and 1,200 mm wide along the centreline of the embankment extending to a point on the gully wall level with the riser crest.
3. Maintain the trench free of water and recompact the materials with equipment as specified in the SWMP to 95 per cent Standard Proctor Density.
4. Select fill following the SWMP that is free of roots, wood, rock, large stone or foreign material.
5. Prepare the site under the embankment by ripping to at least 100 mm to help bond compacted fill to the existing substrate.
6. Spread the fill in 100 mm to 150 mm layers and compact it at optimum moisture content following the SWMP.
7. Construct the emergency spillway.
8. Rehabilitate the structure following the SWMP.

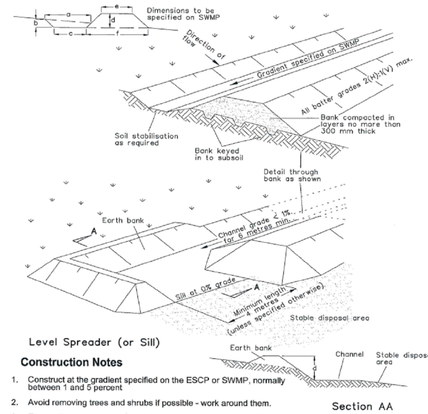
SEDIMENT BASIN (SD 6-4)



Construction Notes

1. Construct sediment fences as close as possible to being parallel to the contours of the site, but with small returns as shown in the drawing to limit the catchment area of any one section. The catchment area should be small enough to limit water flow if concentrated at one point to 50 litres per second in the design storm event, usually the 10-year event.
2. Cut a 150-mm deep trench along the upslope line of the fence for the bottom of the fabric to be entrenched.
3. Drive 1.5 metre long star pickets into ground at 2.5 metre intervals (max) at the downslope edge of the trench. Fix the geotextile with wire ties or as recommended by the manufacturer. Only use geotextile specifically produced for sediment fencing. The use of shade cloth for this purpose is not satisfactory.
4. Fix self-supporting geotextile to the upslope side of the posts ensuring it goes to the base of the trench. Fix the geotextile with wire ties or as recommended by the manufacturer. Only use geotextile specifically produced for sediment fencing. The use of shade cloth for this purpose is not satisfactory.
5. Join sections of fabric at a support post with a 150-mm overlap.
6. Backfill the trench over the base of the fabric and compact it thoroughly over the geotextile.

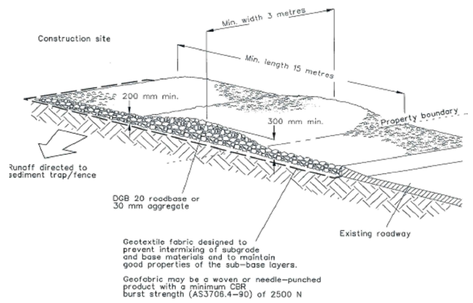
SEDIMENT FENCE (SD 6-8)



Construction Notes

1. Construct at the gradient specified on the ESCP or SWMP, normally between 1 and 5 percent
2. Avoid removing trees and shrubs if possible - work around them.
3. Ensure the structures are free of projections or other irregularities that could impede water flow.
4. Build the drains with circular, parabolic or trapezoidal cross sections, not V-shaped, at the dimensions shown on the SWMP.
5. Ensure the banks are properly compacted to prevent failure.
6. Complete permanent or temporary stabilisation within 10 days of construction following Table 5.2 in Landcom (2004).
7. Where discharging to erodible lands, ensure they outlet through a properly constructed level spreader.
8. Construct the level spreader at the gradient specified on the ESCP or SWMP, normally less than 1 percent or level.
9. Where possible, ensure they discharge waters onto either stabilised or undisturbed disposal sites within the same subcatchment area from which the water originated. Approval might be required to discharge into other subcatchments.

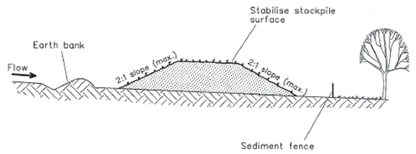
EARTH BANK HIGH FLOW (SD 5-6)



Construction Notes

1. Strip the topsoil, level the site and compact the subgrade.
2. Cover the area with needle-punched geotextile.
3. Construct a 200-mm thick pad over the geotextile using road base or 30-mm aggregate.
4. Ensure the structure is at least 15 metres long or to building alignment and at least 3 metres wide.
5. Where a sediment fence joins onto the stabilised access, construct a hump in the stabilised access to divert water to the sediment fence

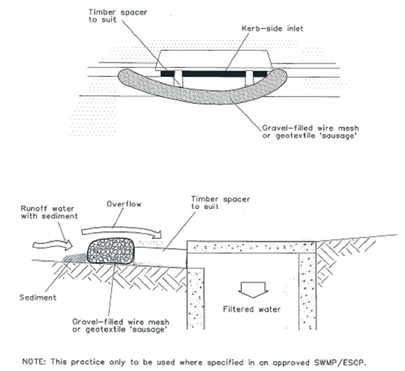
STABILISED SITE ACCESS (SD 6-14)



Construction Notes

1. Place stockpiles more than 2 (preferably 5) metres from existing vegetation, concentrated water flow, roads and hazard areas.
2. Construct on the contour as low, flat, elongated mounds.
3. Where there is sufficient area, topsoil stockpiles shall be less than 2 metres in height.
4. Where they are to be in place for more than 10 days, stabilise following the approved ESCP or SWMP to reduce the C-factor to less than 0.10.
5. Construct earth banks (Standard Drawing 5-5) on the upslope side to divert water around stockpiles and sediment fences (Standard Drawing 6-8) 1 to 2 metres downslope.

STOCKPILES (SD 4-1)

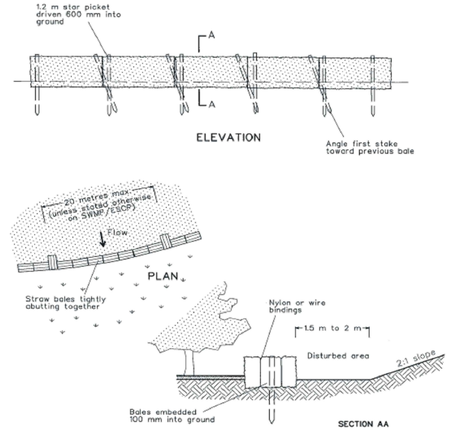


NOTE: This practice only to be used where specified in an approved SWMP/ESCP.

Construction Notes

1. Install filters to kerb inlets only at sag points.
2. Fabricate a sleeve made from geotextile or wire mesh longer than the length of the inlet pit and fill it with 25 mm to 50 mm gravel.
3. Form an elliptical cross-section about 150 mm high x 400 mm wide.
4. Place the filter at the opening leaving at least a 100-mm space between it and the kerb inlet. Maintain the opening with spacer blocks.
5. Form a seal with the kerb to prevent sediment bypassing the filter.
6. Sandbags filled with gravel can substitute for the mesh or geotextile providing they are placed so that they firmly abut each other and sediment-laden waters cannot pass between.

MESH AND GRAVEL INLET FILTER (SD 6-11)



Construction Notes

1. Construct the straw bale filter as close as possible to being parallel to the contours of the site.
2. Place bales lengthwise in a row with ends tightly abutting. Use straw to fill any gaps between bales. Straws are to be placed parallel to ground.
3. Ensure that the maximum height of the filter is one bale.
4. Embed each bale in the ground 75 mm to 100 mm and anchor with two 1.2 metre star pickets or stakes. Angle the first star picket or stake in each bale towards the previously laid bale. Drive them 600 mm into the ground and, if possible, flush with the top of the bales. Where star pickets are used and they protrude above the bales, ensure they are fitted with safety caps.
5. Where a straw bale filter is constructed downslope from a disturbed batter, ensure the bales are placed 1 to 2 metres downslope from the toe.
6. Establish a maintenance program that ensures the integrity of the bales is retained - they could require replacement each two to four months.

STRAW BALE FILTER (SD 6-7)

Issue	Description	DR	CH	VE	Date
C	ISSUED FOR CLIENT REVIEW	RS	IS	JH	04.03.26
B	ISSUED FOR CLIENT REVIEW	RS	IS	JH	24.02.26
A	ISSUED FOR CLIENT REVIEW	RS	IS	-	18.12.25

Scales

100mm on Original

Surveyor

LTS

Client

Goodman

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	I. SUMMERS	Height Datum	AHD
Project Manager	K. MCAREAVEY	Grid	MGA/20-56
Verified	J. HEYDON		

Project: 225-245 MARTIN ROAD, BRADFIELD
BULK EARTHWORKS, REHABILITATION AND QUARRYING

Title: EROSION AND SEDIMENT CONTROL DETAILS SHEET 1

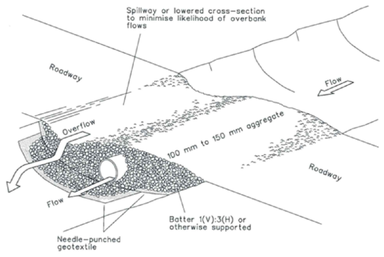
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ABN 76 104 485 289
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www.arcadis.com/au

Project Number: 30271198

Drawing No.: MAR-AAP-DA-R02-DRG-CI-0191

Issue: C

Date Plotted: 3 Mar 2026 - 05:48PM File Name: C:\Users\azaz3098\DC\ACCDocs\Arcadis ACC AU\AAU-30281481-265 Martin Road Project Maverick\Project Files\10_WIP\10_AAP_Civil\R02\DRG\MAR-AAP-DA-R02-DRG-CI-0191-ErosionAndSedimentControlDetails.dwg



Construction Notes

1. Prohibit all traffic until the access way is constructed.
2. Strip any topsoil and place a needle-punched textile over the base of the crossing.
3. Place clean, rigid, non polluting aggregate or gravel in the 100 mm to 150 mm size class over the fabric to a minimum depth of 200 mm.
4. Provide a 3-metre wide carriageway with sufficient length of culvert pipe to allow less than a 3(H): 1 (V) slope on side batters.
5. Install a lower section to act as an emergency spillway in greater than design storm events.
6. Ensure that culvert outlets extend beyond the toe of fill embankments.

TEMPORARY WATERWAY CROSSING (SD 5-1)

Issue	Description	DR	CH	VE	Date
B	ISSUED FOR CLIENT REVIEW	RS	IS	JH	04.03.26
A	ISSUED FOR CLIENT REVIEW	RS	IS	JH	24.02.26

Scales

Surveyor

LTS

Client

Goodman

Status

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Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	I. SUMMERS	Height Datum	AHD
Project Manager	K. MCAREAVEY	Grid	MGA/20-56
Verified	J. HEYDON		

Project

225-245 MARTIN ROAD,
BRADFIELD
BULK EARTHWORKS,
REHABILITATION AND QUARRYING

Title

EROSION AND SEDIMENT
CONTROL DETAILS
SHEET 2

ARCADIS

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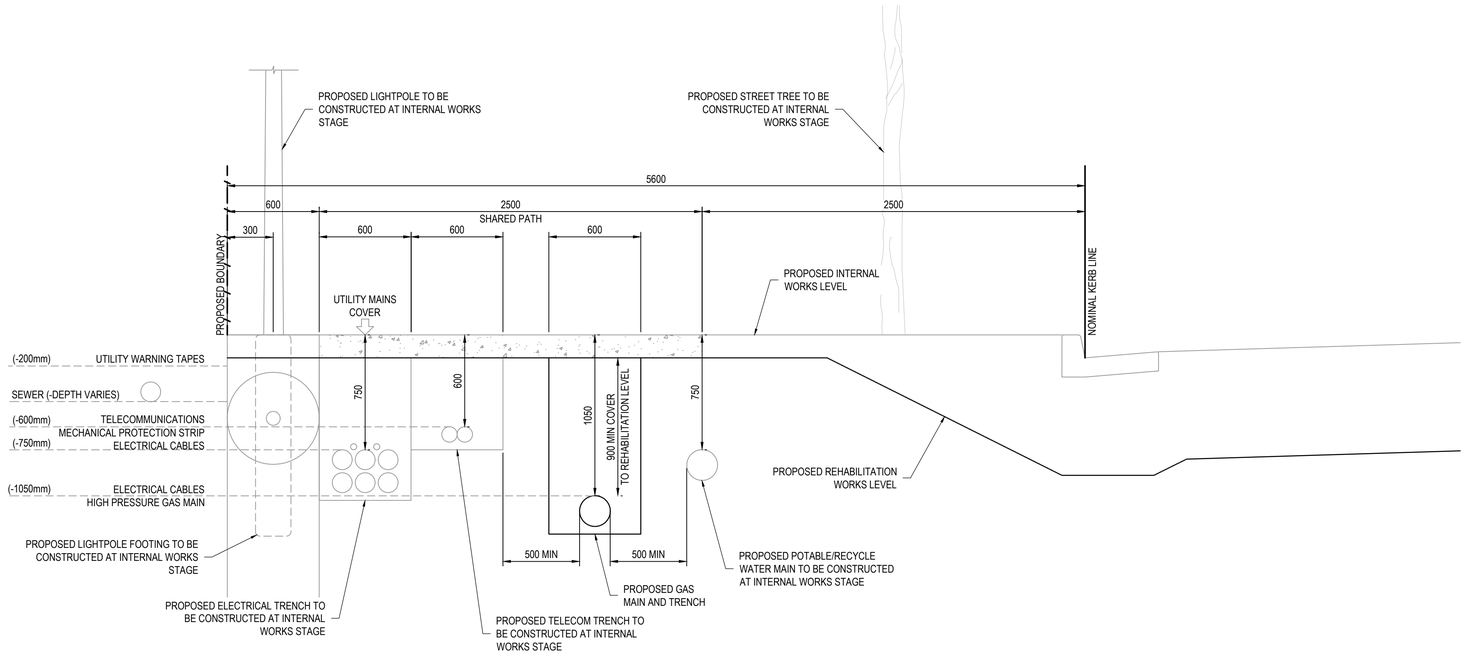
Project Number: 30271198

Drawing No.: MAR-AAP-DA-R02-DRG-CI-0192

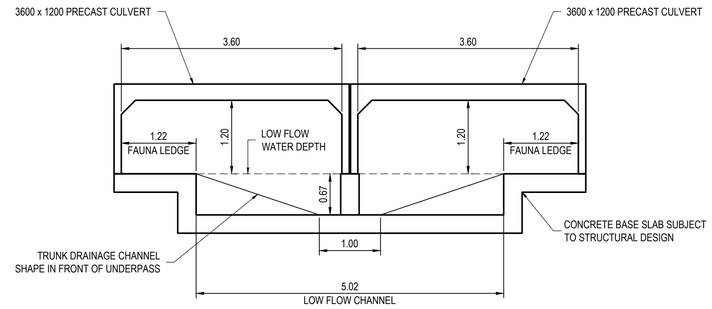
Issue: B

100mm on Original

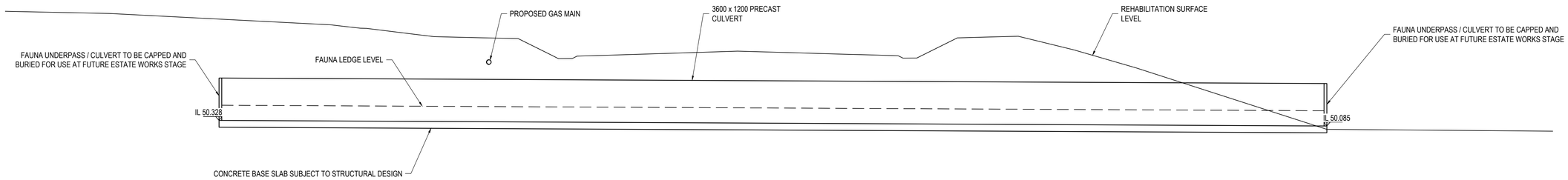
Date Plotted: 3 Mar 2026 - 05:49PM File Name: C:\Users\azaz3098\DC\ACCDocs\Arcadis ACC AU\AAU-30281481-265 Martin Road Project Maverick\Project Files\10_WIP\10_AAP_Civil\R02\DRG\MAR-AAP-DA-R02-DRG-CI-0191-ErosionAndSedimentControlDetails.dwg



TYPICAL GAS MAIN TRENCH DETAIL
1 : 20



FAUNA UNDERPASS - TYPICAL CROSS SECTION
1 : 50



SECTION A
SCALE 1:100

0061

Issue	Description	DR	CH	VE	Date
B	ISSUED FOR CLIENT REVIEW	RS	IS	JH	04.03.26
A	ISSUED FOR CLIENT REVIEW	RS	IS	JH	24.02.26

Scales
0 0.5 1 1.5 2m
1 : 20
0 0.5 1 2 3 4 5m
1 : 50
0 1 2 4 6 8 10m
1 : 100

100mm on Original

Surveyor: LTS

Client: Goodman

Status: PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures			
Drawn	R. SANTOS	Original Size	A1
Designed	I. SUMMERS	Height Datum	AHD
Project Manager	K. MCAREAVEY	Grid	MGA/20-56
Verified	J. HEYDON		

Project: 225-245 MARTIN ROAD, BRADFIELD
BULK EARTHWORKS, REHABILITATION AND QUARRYING

Title: CIVIL WORKS DETAILS

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 15, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
www.arcadis.com/au

Project Number: 30271198

Drawing No.: MAR-AAP-DA-R02-DRG-CI-0241

Issue: B

Date Plotted: 4 Mar 2026 - 04:12PM File Name: C:\Users\azaz3098\DC\ACCDocs\Arcadis ACC AU\AAU-30281481-265 Martin Road Project Maverick\Project Files\10_WIP\10_AAP_Civil\R02\DRG\MAR-AAP-DA-R02-DRG-CI-0241-CivilWorksDetails.dwg

Appendix C Historic Soil Borehole Logs

SOIL BOREHOLE BH101

PROJECT NUMBER 68785
PROJECT NAME Project Maverick
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield, NSW
DRILLING DATE 29 May 2025

DRILLING COMPANY Terratest
DRILL RIG GeoProbe
DRILLING METHOD Solid Flight Auger
DIAMETER 150 mm

EASTING
NORTHING
COORD SYS GDA94_MGA_zone_56
TOTAL DEPTH m bgl
LOGGED BY JR

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
SFA	0.2		Fill - Gravelly SAND, brown/grey, heterogeneous, damp, well graded, medium sand, sub-rounded, medium dense, with inclusions of brick and igneous gravels.	DP	BH101_0.00-0.10	0.1	No odour, staining or ACM.
	0.4		Fill - Silty CLAY, brown , heterogeneous, damp, medium plasticity, soft, with inclusions of trace brick and igneous gravels.	DP			No odour, staining or ACM.
	0.6				BH101_0.50-0.60	0	
	0.8						
	1				BH101_1.00-1.10	0	
	1.2						
	1.4						
	1.6				BH101_1.50-1.60	0	
	1.8		Fill - Sandy CLAY, gold/brown, homogeneous, damp, medium plasticity, soft, with no inclusions.	DP	BH101_1.60-1.70	0	No odour, staining or ACM.
	2						
	2.2		Rock - Weathered SHALE, brown, homogeneous, dry, with no inclusions.	DR	BH101_2.20-2.30	0	No odour, staining or ACM.
	2.4						
	2.6						End of Hole at 2.5 m bgs. Programmed Depth.
	2.8						
	3						

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SOIL BOREHOLE BH102

PROJECT NUMBER 68785	**DRILLING COMPANY** Terratest	**EASTING**
PROJECT NAME Project Maverick	**DRILL RIG** GeoProbe	**NORTHING**
CLIENT Goodman	**DRILLING METHOD** Solid Flight Auger	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**DIAMETER** 150 mm	**TOTAL DEPTH** 2.0 m bgl
DRILLING DATE 29 May 2025		**LOGGED BY** JR

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
SFA	0.1		Fill - Gravelly silty CLAY, dark brown/dark grey , heterogeneous, damp, high plasticity, soft, with inclusions of 50% igneous, shale and sandstone gravels. Trace brick and organic material (rootlets).	DP	BH102_0.00-0.10	0.2	No odour, staining or ACM.
	0.2		Fill - Gravelly CLAY, dark grey with brown mottle, heterogeneous, damp, medium plasticity, firm, with inclusions of trace igneous and shale gravels.	DP			No odour, staining or ACM.
	0.3						
	0.4						
	0.5				BH102_0.50-0.60	0.1	
	0.6						
	0.7						
	0.8		Rock - Weathered SHALE, brown, homogeneous, dry, non-plastic, hard, with no inclusions. Becomes damp at 1.5 m bgs, then returns to being dry at 1.8 m bgs.	DR	BH102_0.80-0.90	0.1	No odour, staining or ACM.
	0.9						
	1						
	1.1						
	1.2						
	1.3						
	1.4						
	1.5			DP	BH102_1.50-1.60	0	
	1.6						
	1.7						
	1.8			DR			
	1.9				BH102_1.90-2.00	0.1	
	2		Termination Depth at: 2.0 m bgl				End of Hole at 2.0 m bgs. Programmed Depth.
	2.1						
	2.2						
	2.3						
	2.4						

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SOIL BOREHOLE BH103

PROJECT NUMBER 68785	**DRILLING COMPANY** Terratest	**EASTING**
PROJECT NAME Project Maverick	**DRILL RIG** GeoProbe	**NORTHING**
CLIENT Goodman	**DRILLING METHOD** Solid Flight Auger	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**DIAMETER** 150 mm	**TOTAL DEPTH** 6.1 m bgl
DRILLING DATE 29 May 2025		**LOGGED BY** JR

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
SFA	0		Fill - Gravelly CLAY, dark grey, heterogeneous, damp, low plasticity, firm, with inclusions of trace brick and metal on the ground surface.	DP	BH103_0.00-0.10	0.2	No odour, staining or ACM. Large surficial ACM fragment within 10 m of location.
	0.5		Rock - Weathered SHALE, grey, homogeneous, damp, non-plastic, hard, with no inclusions. Changes colour to light brown at 0.8 m bgs.	DP	BH103_0.50-0.60	0.1	No odour, staining or ACM.
	1				BH103_1.00-1.10	0.1	
	1.5				BH103_1.50-1.60	0.1	
	2		Rock - SHALE, light brown, homogeneous, dry, non-plastic, hard, with no inclusions. Changes colour to grey at 4 m bgs.	DR	BH103_2.00-2.10	0	No odour, staining or ACM.
	2.5				BH103_2.50-2.60	0	
	3				BH103_3.00-3.10	0	
	3.5						
	4				BH103_4.00-4.10	0.1	
	4.5						
	5				BH103_5.00-5.10	0	
	5.5						
	6				BH103_6.00-6.10	0	
	6.5		Termination Depth at: 6.1 m bgl				End of Hole at 6.1 m bgs. Refusal on hard shale.

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GROUNDWATER WELL BH104/MW101

PROJECT NUMBER 68785
PROJECT NAME Project Maverick
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield, NSW
DRILLING DATE 29 May 2025
PERMIT NO.

DRILLING COMPANY Terratest
DRILL RIG GeoProbe
DRILLING METHOD Solid Flight Auger
TOTAL DEPTH m bgl
DIAMETER 150 mm

EASTING
NORTHING
COORD SYS GDA94_MGA_zone_56
ELEVATION m AHD
LOGGED BY JR

COMPLETION
CASING Class 18 PVC - 50mm
SCREEN INTERVAL 3.200 - 6.200 m bgl

COMMENTS

Drilling Method	Well Details	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
CC				Fill - CONCRETE	DR	BH104_0.15-0.25	0.1	No odour, staining or ACM.
SFA		0.5		Fill - SAND, brown, heterogeneous, saturated, well graded, medium sand, sub-rounded, medium dense, with no inclusions.	S			
					DP	BH104_0.40-0.50	0.5	No ACM, moderate hydrocarbon odour and oil staining.
						BH104_0.50-0.60	0.6	
		1		Fill - Gravelly silty CLAY, brown/grey, heterogeneous, damp, high plasticity, firm, with inclusions of shale gravel. Change colour to grey with yellow/brown mottle at 0.8 m bgs.		BH104_1.00-1.10	0.3	No staining or ACM, moderate hydrocarbon odour.
		1.5		Rock - Weathered SHALE, brown, homogeneous, damp, non-plastic, hard, with no inclusions. Becomes damp at 5 m bgs and changes colour to grey at 7 m bgs.	DP	BH104_1.50-1.60	0.1	No odour, staining or ACM.
		2				BH104_2.00-2.10	0.1	
		2.5						
		3				BH104_3.00-3.10	0	
		3.5						
		4				BH104_4.00-4.10	0	
		4.5						
		5				BH104_5.00-5.10	0	
		5.5						
		6				BH104_6.00-6.10	0	
		6.5						
		7				BH104_7.00-7.10	0	End of Hole at 7.5 m bgs. Refusal on hard shale.
		7.5						
		8						

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SOIL BOREHOLE BH105

PROJECT NUMBER 68785	**DRILLING COMPANY** Terratest	**EASTING**
PROJECT NAME Project Maverick	**DRILL RIG** GeoProbe	**NORTHING**
CLIENT Goodman	**DRILLING METHOD** Solid Flight Auger	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**DIAMETER** 150 mm	**TOTAL DEPTH** 3.0 m bgl
DRILLING DATE 29 May 2025		**LOGGED BY** ST

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
CC			Fill - CONCRETE	DR			No odour, staining or ACM.
SFA	0.2		Fill - Gravelly CLAY, dark grey, heterogeneous, moist, medium plasticity, firm, with inclusions of trace shale gravels.	M	BH105_0.10-0.20	1	No staining or ACM, strong hydrocarbon odour. QA/QC20250529_01 and QA/QC20250529_P01 collected from 0.1-0.2 m bgs, and AQQA/QC20250529_01 collected from 0.07-0.5 m bgs.
	0.4						
	0.6		Rock - Weathered SHALE, brown, homogeneous, damp, medium plasticity, firm, with inclusions of trace shale gravels.	DP	BH105_0.50-0.60	0.7	No staining or ACM, strong hydrocarbon odour.
	0.8						
	1				BH105_1.00-1.10	0.5	
	1.2						
	1.4						
	1.6		Rock - Weathered SHALE, grey, homogeneous, damp, non-plastic, hard, with no inclusions.	DP	BH105_1.50-1.60	0.5	No staining or ACM, moderate hydrocarbon odour.
	1.8						
	2				BH105_2.00-2.10	0.6	
	2.2						
	2.4						
	2.6				BH105_2.50-2.60	0.6	
	2.8						
	3				BH105_2.90-3.00	0.5	
	3.2		Termination Depth at: 3.0 m bgl				End of Hole at 3.0 m bgs. Programmed Depth.
	3.4						

SOIL BOREHOLE BH106

PROJECT NUMBER 68785	**DRILLING COMPANY** Terratest	**EASTING**
PROJECT NAME Project Maverick	**DRILL RIG** GeoProbe	**NORTHING**
CLIENT Goodman	**DRILLING METHOD** Solid Flight Auger	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**DIAMETER** 150 mm	**TOTAL DEPTH** 1.5 m bgl
DRILLING DATE 29 May 2025		**LOGGED BY** JR

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
SFA	0.1		Fill - CONCRETE	DR			No odour, staining or ACM.
	0.2		Fill - Gravelly silty CLAY, dark brown/dark grey , heterogeneous, damp, high plasticity, firm, with inclusions of trace shale, sandstone and igneous gravels.	W	BH106_0.10-0.20	0.2	No odour, staining or ACM.
	0.3		Fill - Silty CLAY, dark brown/dark grey with orange mottle, homogeneous, damp, low plasticity, firm, with inclusions of trace shale gravels.	DP			No odour, staining or ACM.
	0.4						
	0.5				BH106_0.50-0.60	0.1	
	0.6						
	0.7						
	0.8		Rock - Weathered SHALE, light brown, homogeneous, dry, non-plastic, hard, with no inclusions.	DR			No odour, staining or ACM.
	0.9						
	1				BH106_1.00-1.10	0	
	1.1						
	1.2						
	1.3						
	1.4				BH106_1.40-1.50	0.1	
	1.5		Termination Depth at: 1.5 m bgl				End of Hole at 1.5 m bgs. Programmed Depth.
	1.6						
	1.7						
	1.8						
	1.9						

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SOIL BOREHOLE BH107

PROJECT NUMBER 68785
PROJECT NAME Project Maverick
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield, NSW
DRILLING DATE 29 May 2025

DRILLING COMPANY Terratest
DRILL RIG GeoProbe
DRILLING METHOD Solid Flight Auger
DIAMETER 150 mm

EASTING
NORTHING
COORD SYS GDA94_MGA_zone_56
TOTAL DEPTH 1.5 m bgl
LOGGED BY ST

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
CC	0.1		Fill - CONCRETE	DR			No odour, staining or ACM.
SFA	0.2		Fill - Gravelly CLAY, dark grey, heterogeneous, damp, medium plasticity, firm, with inclusiosn of trace shale gravels.	DP	BH107_0.20-0.30	0.2	No odour, staining or ACM.
	0.3						
	0.4						
	0.5		Rock - Weathered SHALE, brown/grey, homogeneous, dry, non-plastic, stiff, with no inclusions. Becomes hard at 1.3 m bgs.	DR	BH107_0.50-0.60	0.1	No odour, staining or ACM.
	0.6						
	0.7						
	0.8						
	0.9						
	1				BH107_1.00-1.10	0.1	
	1.1						
	1.2						
	1.3						
	1.4				BH107_1.40-1.50	0.1	
	1.5		Termination Depth at: 1.5 m bgl				End of Hole at 1.5 m bgs. Programmed Depth.
	1.6						
	1.7						
	1.8						
	1.9						

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SOIL BOREHOLE BH108

PROJECT NUMBER 68785
PROJECT NAME Project Maverick
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield, NSW
DRILLING DATE 30 May 2025

DRILLING COMPANY Terratest
DRILL RIG GeoProbe
DRILLING METHOD Solid Flight Auger
DIAMETER 150 mm

EASTING
NORTHING
COORD SYS GDA94_MGA_zone_56
TOTAL DEPTH 2.6 m bgl
LOGGED BY JR

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
SFA	0.2		Fill - CONCRETE	DR			No odour, staining or ACM.
	0.4		Fill - Gravelly silty CLAY, brown, heterogeneous, wet, medium plasticity, firm, with inclusions of shale gravels. Becomes damp at 0.7 m bgs.	W	BH108_0.25-0.35	0.2	No odour, staining or ACM.
	0.6				BH108_0.50-0.60	0.1	
	0.8			DP			
	1				BH108_1.00-1.10	0	
	1.2		Rock - Weathered SHALE, brown/grey, homogeneous, dry, non-plastic, stiff, with no inclusions.	DR			No odour, staining or ACM.
	1.4						
	1.6				BH108_1.50-1.60	0.1	
	1.8						
	2				BH108_2.00-2.10	0	
	2.2						
	2.4						
	2.6				BH108_2.50-2.60	0	
	2.8		Termination Depth at: 2.6 m bgl				End of Hole at 2.6 m bgs. Programmed Depth.

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SOIL BOREHOLE BH109

PROJECT NUMBER 68785	**DRILLING COMPANY** Terratest	**EASTING**
PROJECT NAME Project Maverick	**DRILL RIG** GeoProbe	**NORTHING**
CLIENT Goodman	**DRILLING METHOD** Solid Flight Auger	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**DIAMETER** 150 mm	**TOTAL DEPTH** 2.0 m bgl
DRILLING DATE 30 May 2025		**LOGGED BY** JR

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
SFA	0.1		Fill - CONCRETE	DR			No odour, staining or ACM.
	0.2		Fill - Gravelly CLAY, brown, heterogeneous, wet, high plasticity, stiff, with inclusions of shale gravels. Becomes damp at 0.7 m bgs.	W	BH109_0.20-0.30	0.1	No odour, staining or ACM.
	0.3						
	0.4						
	0.5				BH109_0.50-0.60	0.1	
	0.6						
	0.7			DP			
	0.8						
	0.9						
	1				BH109_1.00-1.10	0	
	1.1						
	1.2		Rock - Weathered SHALE, light brown, homogeneous, dry, non-plastic, stiff, with no inclusions.	DR			No odour, staining or ACM.
	1.3						
	1.4						
	1.5				BH109_1.50-1.60	0	
	1.6						
	1.7						
	1.8						
	1.9				BH109_1.90-2.00	0	
	2						
	2.1		Termination Depth at: 2.0 m bgl				End of Hole at 2.0 m bgs. Programmed Depth.
	2.2						
	2.3						
	2.4						

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SOIL BOREHOLE BH110

PROJECT NUMBER 68785	**DRILLING COMPANY** Terratest	**EASTING**
PROJECT NAME Project Maverick	**DRILL RIG** GeoProbe	**NORTHING**
CLIENT Goodman	**DRILLING METHOD** Solid Flight Auger	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**DIAMETER** 150 mm	**TOTAL DEPTH** 2.0 m bgl
DRILLING DATE 30 May 2025		**LOGGED BY** JR

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
CC	0.1		Fill - CONCRETE	DR			No odour, staining or ACM.
SFA	0.2		Fill - Gravelly CLAY, brown, heterogeneous, wet, high plasticity, stiff, with inclusions of shale gravels.	W	BH110_0.20-0.30	0.1	No odour, staining or ACM.
	0.3						
	0.4						
	0.5				BH110_0.50-0.60	0.1	
	0.6						
	0.7		Rock - Weathered SHALE, brown, homogeneous, dry, non-plastic, stiff, with no inclusions.	DR			No odour, staining or ACM.
	0.8						
	0.9						
	1				BH110_1.00-1.10	0.1	
	1.1						
	1.2						
	1.3						
	1.4						
	1.5				BH110_1.50-1.60	0	
	1.6						
	1.7						
	1.8						
	1.9				BH110_1.90-2.00	0	
	2		Termination Depth at: 2.0 m bgl				End of Hole at 2.0 m bgs. Programmed Depth.
	2.1						
	2.2						
	2.3						
	2.4						

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SOIL BOREHOLE BH111

PROJECT NUMBER 68785	**DRILLING COMPANY** Terratest	**EASTING**
PROJECT NAME Project Maverick	**DRILL RIG** GeoProbe	**NORTHING**
CLIENT Goodman	**DRILLING METHOD** Solid Flight Auger	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**DIAMETER** 150 mm	**TOTAL DEPTH** 2.5 m bgl
DRILLING DATE 30 May 2025		**LOGGED BY** JR

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
CC			Fill - CONCRETE	DR			No odour, staining or ACM.
SFA	0.2		Fill - Gravelly sandy CLAY, brown, heterogeneous, damp, medium plasticity, firm, with inclusions of shale gravels and clay clasts.	DP	BH111_0.15-0.25	0.2	No odour, staining or ACM. QA/QC20250530_01 collected from 0.15-00.25, QA/QC20250530_P01 collected from 0.5-0.6 m bgs, and AQQA/QC20250530_01 collected from 0.15-1.15 m bgs.
	0.4						
	0.6				BH111_0.50-0.60	0.1	
	0.8						
	1				BH111_1.00-1.10	0.1	
	1.2						
	1.4						
	1.6				BH111_1.50-1.60	0.1	
	1.8		Rock - Weathered SHALE, brown, homogeneous, dry, non-plastic, stiff, with no inclusions.	DR			No odour, staining or ACM.
	2				BH111_2.00-2.10	0.2	
	2.2						
	2.4				BH111_2.40-2.50	0	
	2.6		Termination Depth at: 2.5 m bgl				End of Hole at 2.5 m bgs. Programmed Depth.
	2.8						

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SOIL BOREHOLE BH112

PROJECT NUMBER 68785	**DRILLING COMPANY** Terratest	**EASTING**
PROJECT NAME Project Maverick	**DRILL RIG** GeoProbe	**NORTHING**
CLIENT Goodman	**DRILLING METHOD** Solid Flight Auger	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**DIAMETER** 150 mm	**TOTAL DEPTH** 2.5 m bgl
DRILLING DATE 30 May 2025		**LOGGED BY** JR

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
CC	0.2		Fill - CONCRETE	DR			No odour, staining or ACM.
SFA			Fill - Gravelly sandy CLAY, brown/grey, heterogeneous, damp, medium plasticity, firm, with inclusions of trace shale gravels.	DP	BH112_0.20-0.30	0.2	No odour, staining or ACM.
	0.4						
					BH112_0.50-0.60	0	
	0.6						
	0.8						
	1		Fill - Gravelly CLAY, brown/grey, heterogeneous, damp, medium plasticity, firm, with inclusions of trace shale and ironstone gravels.	DP	BH112_1.00-1.10	0.1	No odour, staining or ACM.
	1.2						
	1.4						
					BH112_1.50-1.60	0	
	1.6						
	1.8		Rock - SHALE, grey, homogeneous, dry, non-plastic, hard, with no inclusions.	DR			No odour, staining or ACM.
	2				BH112_2.00-2.10	0	
	2.2						
	2.4				BH112_2.40-2.50	0	
	2.6		Termination Depth at: 2.5 m bgl				End of Hole at 2.5 m bgs. Programmed Depth.
	2.8						

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SOIL BOREHOLE BH113

PROJECT NUMBER 68785	**DRILLING COMPANY** Terratest	**EASTING**
PROJECT NAME Project Maverick	**DRILL RIG** GeoProbe	**NORTHING**
CLIENT Goodman	**DRILLING METHOD** Solid Flight Auger	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**DIAMETER** 150 mm	**TOTAL DEPTH** 1.5 m bgl
DRILLING DATE 30 May 2025		**LOGGED BY** JR

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
CC	0.1		Fill - CONCRETE	DR			No odour, staining or ACM.
SFA	0.2		Fill - Gravelly sandy CLAY, brown, heterogeneous, damp, medium plasticity, stiff, with inclusions of shale gravels.	DP	BH113_0.15-0.25	0.2	No odour, staining or ACM.
	0.3						
	0.4		Rock - Weathered SHALE, grey, homogeneous, dry, non-plastic, stiff, with no inclusions. Changes colour to light brown at 0.8 m bgs.	DR			No odour, staining or ACM.
	0.5				BH113_0.50-0.60	0.1	
	0.6						
	0.7						
	0.8						
	0.9						
	1				BH113_1.00-1.10	0	
	1.1						
	1.2						
	1.3						
	1.4				BH113_1.40-1.50	0	
	1.5		Termination Depth at: 1.5 m bgl				End of Hole at 1.5 m bgs. Programmed Depth.
	1.6						
	1.7						
	1.8						
	1.9						

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SOIL BOREHOLE BH114

PROJECT NUMBER 68785
PROJECT NAME Project Maverick
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield, NSW
DRILLING DATE 30 May 2025

DRILLING COMPANY Terratest
DRILL RIG GeoProbe
DRILLING METHOD Solid Flight Auger
DIAMETER 150 mm

EASTING
NORTHING
COORD SYS GDA94_MGA_zone_56
TOTAL DEPTH 2.5 m bgl
LOGGED BY JR

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
CC			Fill - CONCRETE	DR			No odour, staining or ACM.
SFA	0.2		Fill - Gravelly sandy CLAY, brown, heterogeneous, damp, medium plasticity, stiff, with inclusions of trace shale gravels.	DP	BH114_0.10-0.20	0.1	No odour, staining or ACM. QA/QC20250530_02 collected from 0.1-0.2 m bgs, QA/QC20250530_P02 collected from 0.5-0.6 m bgs, and AQQA/QC20250530_02 collected from 0.1-1.1 m bgs.
	0.4						
	0.6				BH114_0.50-0.60	0.1	
	0.8						
	1				BH114_1.00-1.10	0.1	
	1.2		Fill - Gravelly CLAY, brown/red with grey mottle, heterogeneous, damp, low plasticity, firm, with no inclusions.	DP			No odour, staining or ACM.
	1.4						
	1.6				BH114_1.50-1.60	0	
	1.8		Rock - SHALE, brown/grey, homogeneous, dry, non-plastic, hard, with no inclusions.	DR			No odour, staining or ACM.
	2				BH114_2.00-2.10	0	
	2.2						
	2.4				BH114_2.40-2.50	0	
	2.6		Termination Depth at: 2.5 m bgl				End of Hole at 2.5 m bgs. Programmed Depth.
	2.8						

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SOIL BOREHOLE BH115

PROJECT NUMBER 68785
PROJECT NAME Project Maverick
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield, NSW
DRILLING DATE 30 May 2025

DRILLING COMPANY Terratest
DRILL RIG GeoProbe
DRILLING METHOD Solid Flight Auger
DIAMETER 150 mm

EASTING
NORTHING
COORD SYS GDA94_MGA_zone_56
TOTAL DEPTH 2.5 m bgl
LOGGED BY JR

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
CC	0.2		Fill - CONCRETE	DR			No odour, staining or ACM.
SFA			Fill - Gravelly CLAY, brown/grey, heterogeneous, damp, medium plasticity, firm, with inclusions of trace shale gravels.	DP	BH115_0.20-0.30	0.2	No odour, staining or ACM.
	0.4						
	0.6				BH115_0.50-0.60	0.2	
	0.8						
	1				BH115_1.00-1.10	0.1	
	1.2						
	1.4						
	1.6				BH115_1.50-1.60	0.1	
	1.8						
	2		Rock - Weathered SHALE, brown/grey, homogeneous, dry, non-plastic, hard, with no inclusions.	DR	BH115_2.00-2.10	0	No odour, staining or ACM.
	2.2						
	2.4				BH115_2.40-2.50	0.1	
	2.6		Termination Depth at: 2.5 m bgl				End of Hole at 2.5 m bgs. Programmed Depth.
	2.8						

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SOIL BOREHOLE BH116

PROJECT NUMBER 68785
PROJECT NAME Project Maverick
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield, NSW
DRILLING DATE 30 May 2025

DRILLING COMPANY Terratest
DRILL RIG GeoProbe
DRILLING METHOD Solid Flight Auger
DIAMETER 150 mm

EASTING
NORTHING
COORD SYS GDA94_MGA_zone_56
TOTAL DEPTH 3.5 m bgl
LOGGED BY JR

COMMENTS

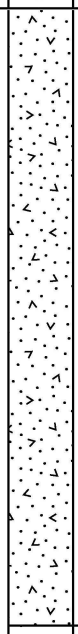
Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
CC	0.2		Fill - CONCRETE	DR			No odour, staining or ACM.
SFA			Fill - Gravelly sandy CLAY, grey/brown, heterogeneous, wet, medium plasticity, firm, with inclusions of trace shale gravels. Becomes damp at 0.3 m bgs.	W	BH116_0.20-0.30	0.1	No odour, staining or ACM.
	0.4			DP			
					BH116_0.50-0.60	0.1	
	0.6						
	0.8						
	1				BH116_1.00-1.10	0.2	
	1.2						
	1.4						
					BH116_1.50-1.60	0	
	1.6						
	1.8						
	2				BH116_2.00-2.10	0.1	
	2.2						
	2.4						
					BH116_2.50-2.60	0	
	2.6						
	2.8						
	3						
	3.2		Rock - SHALE, brown, homogeneous, dry, non-plastic, hard, with no inclusions.	DR	BH116_3.10-3.20	0	No odour, staining or ACM.
	3.4				BH116_3.40-3.50	0	
	3.6		Termination Depth at: 3.5 m bgl				End of Hole at 3.5 m bgs. Programmed Depth.
	3.8						

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SOIL BOREHOLE BH117

PROJECT NUMBER 68785	**DRILLING COMPANY** Terratest	**EASTING**
PROJECT NAME Project Maverick	**DRILL RIG** GeoProbe	**NORTHING**
CLIENT Goodman	**DRILLING METHOD** Solid Flight Auger	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**DIAMETER** 150 mm	**TOTAL DEPTH** 0.35 m bgl
DRILLING DATE 30 May 2025		**LOGGED BY** JR

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
CC	0.02 0.04 0.06 0.08 0.1 0.12 0.14 0.16 0.18 0.2 0.22		Fill - CONCRETE	DR			No odour, staining or ACM.
SFA	0.24 0.26 0.28 0.3 0.32 0.34		Fill - Brick	DR			No odour, staining or ACM.
	0.36 0.38 0.4 0.42 0.44 0.46 0.48		Termination Depth at: 0.35 m bgl				End of Hole at 0.35 m bgs. Refusal on 2nd concrete slab.

GROUNDWATER WELL BH118/MW102

PROJECT NUMBER 68785	**DRILLING COMPANY** Terratest	**EASTING**
PROJECT NAME Project Maverick	**DRILL RIG** GeoProbe	**NORTHING**
CLIENT Goodman	**DRILLING METHOD** Solid Flight Auger	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TOTAL DEPTH** m bgl	**ELEVATION** m AHD
DRILLING DATE 30 May 2025	**DIAMETER** 150 mm	**LOGGED BY** JR
PERMIT NO.		**CHECKED BY**

COMPLETION | **CASING** Class 18 PVC- 50 mm | **SCREEN INTERVAL** 3.20 - 3.20 m bgl

COMMENTS

Drilling Method	Depth (m bgl)	Lithological Description	Moisture	Samples	PID	Additional Observations
CC		Fill - CONCRETE	DR			No odour, staining or ACM.
SFA	0.5	Fill - Gravelly silty CLAY, grey/brown, heterogeneous, wet, medium plasticity, firm, with inclusions of brick gravels. Gravels become very dense at 0.3 m bgs. Damp at 0.4 m bgs.	W	BH118_0.20-0.3(	0.2	No odour, staining or ACM. QA/QC20250530_03 collected from 0.5-0.6 m bgs
				BH118_0.50-0.6(	0.1	
		Natural- Weathered SHALE, light brown, homogeneous, dry, non-plastic, hard, with no inclusions. Changes colour to grey at 2 m bgs.	DR			No odour, staining or ACM.
	1			BH118_1.00-1.1(	0.1	
	1.5			BH118_1.50-1.6(	0	
	2			BH118_2.00-2.1(	0	
	2.5					
	3			BH118_3.00-3.1(	0	
	3.5					
	4			BH118_4.00-4.1(	0	
	4.5					
	5			BH118_5.00-5.1(	0	
	5.5					
	6			BH118_6.00-6.1(	0	
	6.5			BH118_6.40-6.5(	0	End of Hole at 6.5 m bgs. Refusal on shale.
	7					

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TEST PIT TP101

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 1.50 m bgl
DRILLING DATE 30 May 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** AB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit	0.1		Fill - gravelly silty CLAY, brown, heterogeneous, damp, medium plasticity, firm, 30% inclusions of shale gravels, 10% inclusions of grass rootlets and trace inclusions of shale cobbles	DP	TP101_0.00-0.10	0.4	No odour, staining or asbestos. QA/QC20250530_TP01 collected at 0-0.1 m bgs, AQQA/QC20250530_TP01 collected at 0-0.9 m bgs.
	0.2						
	0.3				TP101_0.20-0.30	0.6	
	0.4						
	0.5				TP101_0.50-0.60	0.7	
	0.6						
	0.7						
	0.8						
	0.9		Natural - CLAY, red/light brown, homogeneous, damp, medium plasticity, stiff, Trace inclusions of rootlets	DP	TP101_0.90-1.00	0.2	No odour, staining or asbestos.
	1						
	1.1						
	1.2						
	1.3						
	1.4						
	1.5		Termination Depth at: 1.50 m bgl				End of Hole at 1.5 m bgs. Programmed Depth.
	1.6						
	1.7						
	1.8						
	1.9						

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TEST PIT TP102

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 2.00 m bgl
DRILLING DATE 30 May 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** ST

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit	0.1 0.2 0.3 0.4 0.5 0.6		Fill - gravelly silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, Trace inclusions of organic matter (rootlets), igneous gravels and shale gravels	DP	TP102_0.00-0.10 TP102_0.50-0.60	0.1 0.2	No odour, staining or asbestos.
	0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9		Natural - CLAY, red with grey mottle, homogeneous, dry, low plasticity, stiff, No inclusions	DR	TP102_0.70-0.80 TP102_1.70-1.80	0.6 0.4	No odour, staining or asbestos.
	2		Termination Depth at: 2.00 m bgl				End of Hole at 2.0 m bgs. Reach of Excavator

TEST PIT TP103

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 2.50 m bgl
DRILLING DATE 30 May 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** ST

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit	0.2 0.4 0.6 0.8 1 1.2 1.4		Fill - gravelly silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, 10% inclusions of organic matter (grass/rootlets), trace inclusions of sandstone/shale gravels and igneous rock	DP	TP103_0.00-0.10 TP103_0.50-0.60 TP103_1.00-1.10	0.4 0.3 0.4	No odour, staining or asbestos.
	1.6 1.8 2 2.2 2.4		Natural - CLAY, red with grey mottle, homogeneous, dry, low plasticity, stiff, Trace inclusions of organic matter (rootlets). Possibly reworked natural.	DR	TP103_1.50-1.60 TP103_2.40-2.50	0.2 0.1	No odour, staining or asbestos.
	2.6 2.8		Termination Depth at: 2.50 m bgl				End of Hole at 2.5 m bgs. Reach of Excavator

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TEST PIT TP104

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 1.50 m bgl
DRILLING DATE 30 May 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** ST

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit	0.1 0.2 0.3 0.4		Fill - gravelly silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft, Trace inclusions of shale gravels and igneous rock	DR	TP104_0.00-0.10	0.1	No odour, staining or asbestos.
	0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4		Natural - CLAY, red with grey mottle, homogeneous, dry, low plasticity, stiff, No inclusions	DR	TP104_0.50-0.60 TP104_1.00-1.10	0 0	No odour, staining or asbestos.
	1.5 1.6 1.7 1.8 1.9		Termination Depth at: 1.50 m bgl				End of Hole at 1.5 m bgs. Reach of Excavator

TEST PIT TP105

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 1.30 m bgl
DRILLING DATE 30 May 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** AB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit	0.1 0.2 0.3 0.4 0.5 0.6		Fill - gravelly sandy CLAY, dark brown, heterogeneous, moist, low plasticity, firm, 50% inclusions of brick/crushed brick, 10% inclusions of rootlets	M	TP105_0.00-0.10 TP105_0.20-0.30 TP105_0.50-0.60	0.1 0.2 0	No odour, staining or asbestos.
	0.7 0.8 0.9 1 1.1 1.2 1.3		Natural - CLAY, light brown, homogeneous, damp, medium plasticity, firm, No inclusions	DP	TP105_0.60-0.70	0	No odour, staining or asbestos.
	1.4 1.5 1.6 1.7 1.8 1.9		Termination Depth at: 1.30 m bgl				End of Hole at 1.3 m bgs. Programmed Depth.

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TEST PIT TP106

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 0.90 m bgl
DRILLING DATE 30 May 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** AB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit	0.1		Fill - sandy GRAVEL, black, heterogeneous, moist, well graded, medium gravel, sub-angular, loose, 10% inclusions of organic matter (rootlets)	M	TP106_0.00-0.10	0.6	No odour, staining or asbestos.
	0.2		Fill - gravelly sandy CLAY, brown, heterogeneous, damp, low plasticity, soft, 40% inclusions of brick/crushed brick	DP	TP106_0.10-0.20	0.2	No odour, staining or asbestos.
	0.3		Natural - CLAY, red, homogeneous, damp, medium plasticity, firm, Trace inclusions of rootlets	DP	TP106_0.30-0.40	0	No odour, staining or asbestos.
	0.4						
	0.5						
	0.6						
	0.7						
	0.8						
	0.9		Termination Depth at: 0.90 m bgl				End of Hole at 0.9 m bgs. Programmed Depth.
	1						
	1.1						
	1.2						
	1.3						
	1.4						
	1.5						
	1.6						
	1.7						
	1.8						
	1.9						

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TEST PIT TP107

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 0.90 m bgl
DRILLING DATE 30 May 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** AB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit	0.1		Fill - gravelly sandy CLAY, dark grey, heterogeneous, damp, low plasticity, firm, 50% inclusions of shale gravels and cobbles, 10% inclusions of organic matter (grass/rootlets)	DP	TP107_0.00-0.10	0.3	No odour, staining or asbestos.
	0.2						
	0.3				TP107_0.20-0.30	0.4	
	0.4		Natural - CLAY, orange/grey mottled, homogeneous, damp, medium plasticity, firm, No inclusions	DP	TP107_0.30-0.40	0.1	No odour, staining or asbestos.
	0.5						
	0.6						
	0.7						
	0.8						
	0.9		Termination Depth at: 0.90 m bgl				End of Hole at 0.9 m bgs. Programmed Depth.
	1						
	1.1						
	1.2						
	1.3						
	1.4						
	1.5						
	1.6						
	1.7						
	1.8						
	1.9						

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TEST PIT TP108

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 1.10 m bgl
DRILLING DATE 30 May 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** AB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit	0.1		Fill - gravelly silty CLAY, dark brown, heterogeneous, damp, low plasticity, firm, 40% inclusions of shale gravels and cobbles, 10% inclusions of brick and rootlets. ACM fragments identified on surface.	DP	TP108_0.00-0.10	0.1	No odour or staining. ACM fragments observed on surface.
	0.2						
	0.3				TP108_0.20-0.30	0.2	
	0.4						
	0.5		Natural - CLAY, red/light grey mottle, homogeneous, damp, medium plasticity, firm, Trace inclusions of organic matter (rootlets)	DP	TP108_0.50-0.60	0	No odour, staining or asbestos.
	0.6						
	0.7						
	0.8						
	0.9						
	1						
	1.1		Termination Depth at: 1.10 m bgl				End of Hole at 1.1 m bgs. Programmed Depth.
	1.2						
	1.3						
	1.4						
	1.5						
	1.6						
	1.7						
	1.8						
	1.9						

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TEST PIT TP109

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 1.00 m bgl
DRILLING DATE 30 May 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** AB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit	0.1 0.2 0.3 0.4		Fill - gravelly sandy CLAY, brown/yellow, heterogeneous, damp, low plasticity, firm, 20% inclusions of shale gravels, 10% inclusions of organic matter (rootlets), concrete, plastic and brick	DP	TP109_0.00-0.10 TP109_0.20-0.30 	0.1 0.2 	No odour or staining. ACM fragments observed on surface.
	0.5 0.6 0.7 0.8 0.9 1		Natural - CLAY, red with grey mottle, homogeneous, damp, medium plasticity, firm, Trace inclusions of organic matter (rootlets)	DP	TP109_0.40-0.50 	0 	No odour, staining or asbestos.
	1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9		Termination Depth at: 1.00 m bgl				End of Hole at 1.0 m bgs. Programmed Depth.

TEST PIT TP110

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 2.00 m bgl
DRILLING DATE 30 May 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** AB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit	0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2		Fill - silty CLAY, brown, heterogeneous, damp, low plasticity, firm, 20% inclusions of shale gravels and cobbles, trace inclusions of brick	DP			No odour, staining or asbestos.
	2.2 2.4 2.6 2.8		Termination Depth at: 2.00 m bgl				End of Hole at 2.0 m bgs. Programmed Depth.

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TEST PIT TP111

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 2.00 m bgl
DRILLING DATE 30 May 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** AB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit	0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2		Fill - silty CLAY, brown, heterogeneous, damp, low plasticity, firm, 20% inclusions of shale gravels and cobbles, trace inclusions of brick	DP			No odour, staining or asbestos.
	2.2 2.4 2.6 2.8		Termination Depth at: 2.00 m bgl				End of Hole at 2.0 m bgs. Programmed Depth.

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TEST PIT TP112

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 1.50 m bgl
DRILLING DATE 30 May 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** AB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit	0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5		Fill - silty CLAY, brown/red, heterogeneous, damp, low plasticity, firm, 20% inclusions of shale gravels and cobbles, trace inclusions of organic matter (rootlets)	DP			No odour, staining or asbestos.
	1.5 1.6 1.7 1.8 1.9		Termination Depth at: 1.50 m bgl				End of Hole at 1.5 m bgs. Programmed Depth.

TEST PIT TP113

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 1.50 m bgl
DRILLING DATE 30 May 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** AB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit	0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5		Fill - silty CLAY, brown/red, heterogeneous, damp, low plasticity, firm, 20% inclusions of shale gravels and cobbles, trace inclusions of organic matter (rootlets)	DP			No odour, staining or asbestos.
	1.5 1.6 1.7 1.8 1.9		Termination Depth at: 1.50 m bgl				End of Hole at 1.5 m bgs. Programmed Depth.

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TEST PIT TP114

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 2.00 m bgl
DRILLING DATE 30 May 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** AB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit	0.2 0.4 0.6 0.8		Fill - silty CLAY, brown, heterogeneous, damp, non-plastic, firm, 20% inclusions of shale gravels and cobbles, trace inclusions of shale boulders	DP	TP114_0.00-0.10 TP114_0.20-0.30	0.6 0.5	No odour, staining or asbestos.
	1 1.2 1.4 1.6 1.8 2		Fill - gravelly CLAY, light grey/light red, heterogeneous, dry, low plasticity, stiff, 20% inclusions of shale gravels and cobbles	DR	TP114_1.00-1.10 TP114_1.90-2.00	0.1 0	No odour, staining or asbestos.
	2.2 2.4 2.6 2.8		Termination Depth at: 2.00 m bgl				End of Hole at 2.0 m bgs. Reach of Excavator

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TEST PIT TP115

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 2.00 m bgl
DRILLING DATE 30 May 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** AB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit	0.2 0.4 0.6 0.8		Fill - gravelly silty CLAY, brown/red, heterogeneous, dry, low plasticity, firm, 20% inclusions of shale gravels and cobbles	DR	TP115_0.00-0.10	0.1	No odour, staining or asbestos. QA/QC20250530_TP02 collected at 0.5-0.6 m bgs, AQQA/QC20250530_TP02 collected at 0-1 m bgs
					TP115_0.50-0.60	0.5	
	1 1.2 1.4 1.6 1.8 2		Fill - gravelly CLAY, red/grey, heterogeneous, dry, low plasticity, stiff, 20% inclusions of shale gravels and cobbles	DR	TP115_1.00-1.10	0.1	No odour, staining or asbestos.
					TP115_1.90-2.00	0.1	
	2.2 2.4 2.6 2.8		Termination Depth at: 2.00 m bgl				End of Hole at 2.0 m bgs. Reach of Excavator

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TEST PIT TP116

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 2.70 m bgl
DRILLING DATE 30 May 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** AB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit	0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2 2.2 2.4 2.6		Fill - gravelly silty CLAY, dark grey, heterogeneous, damp, low plasticity, firm, 20% inclusions of shale gravels and cobbles, 10% inclusions of brick/sandstone gravels, trace inclusions of plastic and white fibrous material	DP	TP116_0.00-0.10 TP116_0.50-0.60 TP116_1.00-1.10 TP116_2.00-2.10 TP116_2.60-2.70	0.4 0.2 0.1 0.1 0.1	No odour or asbestos. Staining.
	2.8		Termination Depth at: 2.70 m bgl				End of Hole at 2.7 m bgs. Reach of Excavator

TEST PIT TP117

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 2.70 m bgl
DRILLING DATE 30 May 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** AB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit	0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8		Fill - gravelly silty CLAY, dark grey, heterogeneous, damp, low plasticity, firm, 20% inclusions of brick and shale gravels and cobbles	DP	TP117_0.00-0.10 TP117_0.50-0.60 TP117_1.00-1.10	0.6 0.1 0.1	No odour, staining or asbestos.
	2 2.2 2.4 2.6		Fill - gravelly silty CLAY, dark grey, heterogeneous, damp, low plasticity, firm, 50% inclusions of brick/timber	DP	TP117_2.00-2.10 TP117_2.60-2.70	0.1 0.1	No odour, staining or asbestos.
	2.8		Termination Depth at: 2.70 m bgl				End of Hole at 2.7 m bgs. Reach of Excavator

TEST PIT TP118

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 2.40 m bgl
DRILLING DATE 02 Jun 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** AB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit	0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2 2.2 2.4		Fill - silty CLAY, brown, heterogeneous, damp, low plasticity, firm, 20% inclusions of brick/plastic, 10% inclusions of shale/sandstone gravels, 5% inclusions of rusted scrap metal	DP	TP118_0.00-0.10 TP118_0.50-0.60 TP118_1.00-1.10 TP118_2.00-2.10 TP118_2.30-2.40	0.6 0.1 0.1 0.4 0.1	No odour, staining or asbestos.
	2.6 2.8		Termination Depth at: 2.40 m bgl				End of Hole at 2.4 m bgs. Reach of Excavator

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TEST PIT TP119

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 2.60 m bgl
DRILLING DATE 02 Jun 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** AB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit	0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2 2.2 2.4 2.6		Fill - silty CLAY, brown, heterogeneous, damp, low plasticity, firm, 20% inclusions of shale/sandstone gravels and cobbles, 15% inclusions of brick, trace inclusions of plastic sheeting.	DP	TP119_0.00-0.10 TP119_0.50-0.60 TP119_1.00-1.10 TP119_2.00-2.10 TP119_2.50-2.60	0.4 0.4 0.2 0.2 0.2	No odour, staining or asbestos.
	2.8		Termination Depth at: 2.60 m bgl				End of Hole at 2.6 m bgs. Reach of Excavator

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TEST PIT TP120

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 2.00 m bgl
DRILLING DATE 02 Jun 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** AB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit	0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2		Fill - gravelly silty CLAY, brown, heterogeneous, dry, low plasticity, firm, 20% inclusions of brick, shale gravels and cobbles, 10% inclusions of organic matter (rootlets), trace inclusions of plastic. 50% inclusions of brick and trace inclusions of electrical hose/cable at 1-2 m bgs.	DR	TP120_0.00-0.10 TP120_0.50-0.60 TP120_1.00-1.10 TP120_1.90-2.00	0.6 0.5 0.3 0.1	No odour, staining or asbestos.
	2.2 2.4 2.6 2.8		Termination Depth at: 2.00 m bgl				End of Hole at 2.0 m bgs. Excavator not powerful enough

TEST PIT TP121

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 2.50 m bgl
DRILLING DATE 02 Jun 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** AB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit	0.2		Fill - gravelly silty CLAY, brown, heterogeneous, damp, low plasticity, firm, 20% inclusions of shale gravels and cobbles, trace inclusions of organic matter (rootlets)	DP	TP121_0.00-0.10	0.4	No odour, staining or asbestos.
	0.4		Reworked Natural- silty CLAY, light red/light grey mottle, heterogeneous, damp, medium plasticity, firm, 10% inclusions of shale gravels	DP	TP121_0.30-0.40	0.5	No odour, staining or asbestos.
	0.6						
	0.8						
	1		Reworked Natural- silty CLAY, light brown/light grey mottle, heterogeneous, damp, medium plasticity, firm, 10% inclusions of shale gravels	DP	TP121_1.00-1.10	0.3	No odour, staining or asbestos.
	1.2						
	1.4						
	1.6						
	1.8						
	2				TP121_2.00-2.10	0.1	
	2.2						
	2.4				TP121_2.40-2.50	0.1	
	2.6		Termination Depth at: 2.50 m bgl				End of Hole at 2.5 m bgs. Reach of Excavator
	2.8						

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TEST PIT TP122

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 2.50 m bgl
DRILLING DATE 02 Jun 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** AB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit		0.2 0.4		Fill - gravelly silty CLAY, brown, heterogeneous, dry, low plasticity, firm, 20% inclusions of shale gravels, trace inclusions of organic matter (rootlets)	DR	TP122_0.00-0.10	0.4	No odour, staining or asbestos.
		0.6 0.8 1 1.2 1.4 1.6 1.8 2 2.2 2.4		Reworked Natural- gravelly CLAY, orange/brown, heterogeneous, dry, medium plasticity, stiff, 10% inclusions of shale gravels	DR	TP122_0.50-0.60 TP122_1.00-1.10 TP122_2.00-2.10	0.6 0.5 0.4	No odour, staining or asbestos.
		2.6 2.8		Termination Depth at: 2.50 m bgl				End of Hole at 2.5 m bg Reach of Excavator

TEST PIT TP123

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 2.00 m bgl
DRILLING DATE 02 Jun 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** AB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit		0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2		Reworked Natural- gravelly CLAY, brown/red/light grey, heterogeneous, dry, low plasticity, stiff, 20% inclusions of shale/sandstone gravels, trace inclusions of organic matter (rootlets)	DR	TP123_0.00-0.10 TP123_0.50-0.60 TP123_1.00-1.10 TP123_1.90-2.00	0.4 0.5 0.4 0.4	No odour, staining or asbestos.
		2.2 2.4 2.6 2.8		Termination Depth at: 2.00 m bgl				End of Hole at 2.5 m bg Programmed Depth

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TEST PIT TP124

PROJECT NUMBER 68785	**DRILLING COMPANY** Ken Coles	**EASTING**
PROJECT NAME Project Maverick	**PLANT TYPE** Excavator	**NORTHING**
CLIENT Goodman	**METHOD** Test Pit	**COORD SYS** GDA94_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield, NSW	**TP LENGTH (m)** 2 m	**TOTAL DEPTH** 1.60 m bgl
DRILLING DATE 02 Jun 2025	**TP WIDTH (m)** 1 m	**LOGGED BY** AB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
Test Pit	0.2 0.4		Fill - silty CLAY, dark brown, heterogeneous, moist, low plasticity, firm, 10% inclusions of shale gravels and organic matter (rootlets)	M	TP124_0.00-0.10	0.6	No odour, staining or asbestos.
	0.6 0.8 1 1.2 1.4		Fill - gravelly silty CLAY, brown, heterogeneous, dry, low plasticity, stiff, 10% inclusions of shale gravels	DR	TP124_0.50-0.60	0.4	No odour, staining or asbestos.
	1.6		Natural - SHALE, brown, homogeneous, dry, non-plastic, hard, No inclusions	DR	TP124_1.50-1.60	0.2	No odour, staining or asbestos.
	1.8 2 2.2 2.4 2.6 2.8		Termination Depth at: 1.60 m bgl				End of Hole at 2.5 m bgs. Programmed Depth. Refusal on Shale

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SOIL BOREHOLE B001

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291975.59
NORTHING 6247622.103
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B001_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, light brown, heterogeneous, dry, low plasticity, firm, inclusions of trace fine igneous/alluvial gravels.	DR	B001_0.3-0.4		No odours, staining or asbestos.
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B002

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292016.425
NORTHING 6247613.907
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low - medium plasticity, soft, inclusions of rootlets.	DR	B002_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3						
		0.4		Natural - CLAY, light brown / orange, homogeneous, damp, low - medium plasticity, firm, no inclusions.	DP	B002_0.4-0.5		No odours, staining or asbestos.
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B003

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292073.769
NORTHING 6247605.205
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B003_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, light brown / orange, heterogeneous, dry, medium plasticity, firm, inclusions of trace fine igneous/alluvial gravels.	DR	B003_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B004

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292134.82
NORTHING 6247611.366
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft, inclusions of rootlets.	DR	B004_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, light brown, heterogeneous, damp, low plasticity, firm, inclusions of trace fine igneous/alluvial gravels.	DP	B004_0.3-0.4		No odours, staining or asbestos.
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B005

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292192.163
NORTHING 6247602.664
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, soft, inclusions of rootlets and some igneous ironstone gravels.	DR	B005_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3				B005_0.3-0.4		
		0.4						
		0.5		Natural - CLAY, light brown, heterogeneous, damp, medium plasticity, firm, inclusions of trace fine igneous/alluvial gravels.	DP			No odours, staining or asbestos.
		0.6		Termination Depth at: 0.40 m bgl				
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B006

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292253.253
NORTHING 6247605.883
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B006_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, brown, homogeneous, damp, medium plasticity, firm, no inclusions.	DP			No odours, staining or asbestos.
		0.3		Termination Depth at: 0.30 m bgl				
		0.4						
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B007

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292306.85
NORTHING 6247585.259
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets and trace igneous/alluvial gravels.	DP	B007_0.0-0.1		No odours, staining or asbestos.
		0.2				B007_0.2-0.3		
		0.3		Natural - CLAY, brown / red, heterogeneous, damp, medium plasticity, firm, inclusions of trace fine igneous/alluvial gravels.	DP			No odours, staining or asbestos.
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B008

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292364.193
NORTHING 6247576.557
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity - non-plastic, soft, inclusions of rootlets and trace igneous/alluvial gravels. Increased gravel inclusions from 0.2 mbgs.	DR	B008_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, orange / red, heterogeneous, dry, low plasticity, very stiff, inclusions of trace fine igneous/alluvial gravels.	DR	B008_0.3-0.4		No odours, staining or asbestos.
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B009

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292421.537
NORTHING 6247567.854
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft, inclusions of roots, rootlets and trace igneous/alluvial gravels.	DR	B009_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange / brown, heterogeneous, dry, low plasticity, very stiff, inclusions of trace fine igneous/alluvial gravels.	DR			No odours, staining or asbestos.
		0.3				B009_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B010

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292478.88
NORTHING 6247559.152
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft - firm, inclusions of roots, rootlets and trace igneous/alluvial gravels.	DR	B010_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange / red, heterogeneous, dry, low plasticity, very stiff, inclusions of trace fine igneous/alluvial gravels.	DR			No odours, staining or asbestos.
		0.3				B010_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B011

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292536.224
NORTHING 6247550.45
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft, inclusions of roots, rootlets and trace igneous/alluvial gravels and cobbles.	DR	B011_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange / red, heterogeneous, dry, low plasticity - non-plastic, very stiff, inclusions of trace fine ironstone gravels.	DR	B011_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B012

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292593.567
NORTHING 6247541.747
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft - firm, inclusions of roots, rootlets and trace fine igneous/alluvial gravels.	DR	B012_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange, heterogeneous, dry, low plasticity, very stiff, inclusions of trace fine ironstone gravels.	DR			No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl		B012_0.4-0.5		
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B013

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292650.91
NORTHING 6247533.045
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft - firm, inclusions of roots, rootlets and trace fine igneous/alluvial gravels.	DR	B013_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange, heterogeneous, dry, low plasticity, very stiff, inclusions of trace fine ironstone gravels.	DR			No odours, staining or asbestos.
		0.3		Termination Depth at: 0.30 m bgl		B013_0.3-0.4		
		0.4						
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B014

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292765.597
NORTHING 6247515.64
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft - firm, inclusions of roots, rootlets and trace fine igneous/alluvial gravels.	DR	B014_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange / brown, heterogeneous, dry, low plasticity, very stiff, inclusions of trace fine ironstone gravels.	DR	B014_0.2-0.3		No odours, staining or asbestos.
		0.3						
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B015

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292822.941
NORTHING 6247506.938
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity - non-plastic, soft, inclusions of roots, rootlets and trace fine igneous/alluvial gravels. Firm, with less organic inclusions from 1.0 mbgs.	DR	B015_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, brown / orange, heterogeneous, dry, low plasticity, very stiff, inclusions of trace fine igneous/alluvial gravels.	DR			No odours, staining or asbestos.
		0.3				B015_0.3-0.4		
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B016

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292880.284
NORTHING 6247498.235
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, soft - firm, inclusions of roots, rootlets and trace fine igneous/alluvial gravels.	DR	B016_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange / brown, heterogeneous, dry, low plasticity, very stiff, inclusions of trace fine igneous/alluvial gravels.	DR			No odours, staining or asbestos.
		0.3		Termination Depth at: 0.30 m bgl		B016_0.3-0.4		
		0.4						
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B017

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292937.628
NORTHING 6247489.533
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, soft - firm, inclusions of roots, rootlets and trace fine igneous/alluvial gravels.	DR	B017_0.0-0.1		No odours, staining or asbestos. QA/QC05A taken at 0.0-0.1 mbgs.
		0.2		Natural - CLAY, orange / brown, heterogeneous, dry, low plasticity, stiff, inclusions of trace rootlets.	DR	B017_0.2-0.3		No odours, staining or asbestos.
		0.3						
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B018

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292994.971
NORTHING 6247480.83
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity - non-plastic, soft - firm, inclusions of roots, rootlets and trace fine igneous/alluvial gravels.	DR	B018_0.0-0.1		No odours, staining or asbestos.
					DR			No odours, staining or asbestos.
		0.2		Natural - Clayey SILT, light brown, heterogeneous, dry, non-plastic, firm - stiff, inclusions of ironstone gravels.		B018_0.2-0.3		
		0.3		Natural - CLAY, orange, heterogeneous, dry, low plasticity, very stiff, inclusions of trace fine igneous/alluvial gravels.	DR	B018_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B019

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291892.616
NORTHING 6247564.86
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Natural - Clayey SILT, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B019_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, light brown, homogeneous, damp, low plasticity - medium plasticity, firm, no inclusions.	DP	B019_0.3-0.4		No odours, staining or asbestos.
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B020

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291950.38
NORTHING 6247565.266
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B020_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, orange / light brown, homogeneous, damp, low plasticity, stiff, no inclusions.	DP	B020_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B021

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292007.723
NORTHING 6247556.564
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B021_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, red / brown, homogeneous, damp, low plasticity, stiff, no inclusions.	DP			No odours, staining or asbestos.
		0.3				B021_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B022

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292068.774
NORTHING 6247562.725
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B022_0.0-0.1		No odours, staining or asbestos. QA/QC01_20251106GB taken at 0.0-0.1 mbgs.
		0.2						
		0.3		Natural - CLAY, light brown / orange, homogeneous, damp, low plasticity, stiff, no inclusions.	DP	B022_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B023

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292126.117
NORTHING 6247554.023
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B023_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3						
		0.4		Natural - CLAY, light brown, homogeneous, damp, low plasticity, firm, no inclusions.	DP	B023_0.4-0.5		No odours, staining or asbestos.
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B024

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292183.461
NORTHING 6247545.321
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B024_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, light brown, homogeneous, damp, low plasticity, stiff, no inclusions.	DP	B024_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B025

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292227.846
NORTHING 6247517.413
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets and rounded igneous gravels.	DP	B025_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3				B025_0.3-0.4		
		0.4		Natural - CLAY, light brown / grey, homogeneous, damp, low plasticity, stiff, no inclusions.	DP	B025_0.4-0.5		No odours, staining or asbestos.
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B026

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292309.355
NORTHING 6247534.062
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B026_0.0-0.1		No odours, staining or asbestos. QA/QC02_20251106GB taken at 0.0-0.1 mbgs.
		0.2						
		0.3		Natural - CLAY, brown / red, homogeneous, damp, low plasticity, stiff, no inclusions.	DP	B026_0.3-0.4		No odours, staining or asbestos.
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B027

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292357.66
NORTHING 6247528.614
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B027_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, brown, homogeneous, damp, low plasticity, stiff, no inclusions.	DP	B027_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B028

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292412.834
NORTHING 6247510.511
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B028_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, brown, homogeneous, damp, medium plasticity, stiff, no inclusions.	DP			No odours, staining or asbestos.
		0.3				B028_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B029

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292470.178
NORTHING 6247501.809
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B029_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, brown, homogeneous, damp, medium plasticity, stiff, no inclusions.	DP	B029_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B030

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292527.521
NORTHING 6247493.106
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, medium plasticity, firm, inclusions of rootlets and trace igneous gravels.	DP	B030_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, brown, homogeneous, damp, medium plasticity, stiff, trace alluvial igneous gravels.	DP	B030_0.2-0.3		No odours, staining or asbestos.
		0.3		Termination Depth at: 0.30 m bgl				
		0.4						
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B031

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292584.865
NORTHING 6247484.404
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.20 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, medium plasticity, firm, inclusions of rootlets.	DP	B031_0.0-0.05		No odours, staining or asbestos.
				Natural - CLAY, light brown, homogeneous, damp, medium plasticity, stiff, no inclusions.	DP	B031_0.1-0.2		No odours, staining or asbestos.
		0.2		Termination Depth at: 0.20 m bgl				
		0.3						
		0.4						
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B032

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292642.208
NORTHING 6247475.701
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B032_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, light brown, homogeneous, damp, medium plasticity, stiff, no inclusions.	DP	B032_0.2-0.3		No odours, staining or asbestos.
		0.3		Termination Depth at: 0.30 m bgl				
		0.4						
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B033

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292699.551
NORTHING 6247466.999
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity -medium plasticity, soft, inclusions of rootlets.	DP	B033_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, light brown, heterogeneous, damp, medium plasticity, stiff	DP	B033_0.2-0.3		No odours, staining or asbestos.
		0.3		Termination Depth at: 0.30 m bgl				
		0.4						
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B034

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292756.895
NORTHING 6247458.297
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets and trace igneous gravels.	DP	B034_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, light brown, heterogeneous, damp, medium plasticity, stiff	DP	B034_0.2-0.3		No odours, staining or asbestos.
		0.3		Termination Depth at: 0.30 m bgl				
		0.4						
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B035

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292814.238
NORTHING 6247449.594
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets and clay clumps.	DP	B035_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, red / brown , homogeneous, damp, low plasticity, stiff - firm, inclusions of trace igenous gravels and rootlets.	DP			No odours, staining or asbestos.
		0.4				B035_0.4-0.5		
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B036

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292871.582
NORTHING 6247440.892
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B036_0.0-0.1		No odours, staining or asbestos. QA/QC01_20251107GB taken at 0.0-0.1 mbgs.
		0.2		Natural - CLAY, light brown, heterogeneous, damp, low plasticity, stiff - firm	DP	B036_0.2-0.3		No odours, staining or asbestos.
		0.3						
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B037

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292928.925
NORTHING 6247432.189
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets and trace igneous gravels.	DP	B037_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, red, homogeneous, damp, medium plasticity, stiff, inclusions of trace igenous gravels.	DP	B037_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B038

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292980.202
NORTHING 6247452.133
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B038_0.0-0.1		No odours, staining or asbestos. QA/QC06A taken at 0.0-0.1 mbgs.
		0.2						
		0.3		Natural - CLAY, red / brown, homogeneous, damp, low plasticity, stiff, inclusions of trace rootlets.	DP			No odours, staining or asbestos.
		0.4				B038_0.4-0.5		
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B039

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291876.986
NORTHING 6247492.004
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B039_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, brown, homogeneous, damp, low plasticity, stiff	DP	B039_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B040

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291884.334
NORTHING 6247516.625
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B040_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3				B040_0.3-0.4		
		0.4		Natural - CLAY, light brown, homogeneous, damp, low plasticity, stiff	DP	B040_0.4-0.5		No odours, staining or asbestos.
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B041

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291941.677
NORTHING 6247507.923
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.60 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B041_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, light brown, homogeneous, damp, low plasticity, stiff	DP	B041_0.3-0.4		No odours, staining or asbestos.
		0.4						
		0.5						
		0.6		Termination Depth at: 0.60 m bgl				
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B042

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291999.021
NORTHING 6247499.22
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of roots and rootlets.	DP	B042_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange / brown, heterogeneous, dry, medium plasticity, stiff, inclusions of trace rootlets and fine rounded igneous gravels.	DR			No odours, staining or asbestos.
		0.3				B042_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B043

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292060.071
NORTHING 6247505.382
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of roots, rootlets, and igneous gravels.	DP	B043_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange / brown, heterogeneous, dry, medium plasticity - low plasticity, stiff, inclusions of trace rootlets and ironstone gravels.	DR			No odours, staining or asbestos.
		0.3				B043_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B044

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292117.556
NORTHING 6247507.99
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of roots, rootlets, and igneous gravels.	DP	B044_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, light brown, homogeneous, damp, medium plasticity - low plasticity, stiff, inclusions of trace rootlets and ironstone gravels.	DP	B044_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B045

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292174.758
NORTHING 6247487.977
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B045_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, light brown / orange, homogeneous, damp, medium plasticity - low plasticity, firm, no inclusions.	DP	B045_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B046

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292232.102
NORTHING 6247479.275
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B046_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, brown, homogeneous, damp, low plasticity, firm, no inclusions.	DP	B046_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B047

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292289.445
NORTHING 6247470.572
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets and igneous gravels.	DP	B047_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, brown / grey, homogeneous, damp, low plasticity, firm, no inclusions.	DP	B047_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B048

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292415.34
NORTHING 6247460.037
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B048_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, firm, inclusions of trace alluvial igneous gravels.	DP	B048_0.2-0.3		No odours, staining or asbestos.
		0.3		Termination Depth at: 0.30 m bgl				
		0.4						
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B049

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292461.475
NORTHING 6247444.465
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B049_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, brown, homogeneous, damp, medium plasticity, stiff, no inclusions.	DP	B049_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B050

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292518.819
NORTHING 6247435.763
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, grey / brown, heterogeneous, dry, non-plastic, soft, inclusions of trace rootelts.	DR	B050_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange, heterogeneous, dry, non-plastic, stiff, inclusions of trace igenous gravels.	DR			No odours, staining or asbestos.
		0.3				B050_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B051

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292576.162
NORTHING 6247427.06
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, stiff, inclusions of rootlets.	DP	B051_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Termination Depth at: 0.30 m bgl				
		0.4						
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B056

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292880.61
NORTHING 6247396.317
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B056_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, bright red / orange, heterogeneous, damp, low plasticity, firm, inclusions of trace rootlets and igneous gravels.	DP	B056_0.2-0.3		No odours, staining or asbestos.
		0.3		Termination Depth at: 0.30 m bgl				
		0.4						
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B055

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292804.089
NORTHING 6247396.257
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets and worms.	DP	B055_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange, heterogeneous, damp, low plasticity, firm, inclusions of trace igneous gravels.	DP	B055_0.2-0.3		No odours, staining or asbestos.
		0.3		Termination Depth at: 0.30 m bgl				
		0.4						
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B054

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292745.833
NORTHING 6247417.467
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B054_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, brown, heterogeneous, damp, low plasticity, firm	DP	B054_0.2-0.3		No odours, staining or asbestos.
		0.3		Termination Depth at: 0.30 m bgl				
		0.4						
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B052

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292633.506
NORTHING 6247418.358
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, light brown, heterogeneous, dry, non-plastic, soft, inclusions of rootlets.	DR	B052_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, orange, homogeneous, very dry, non-plastic, stiff, no inclusions.	DR	B052_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B053

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292690.849
NORTHING 6247409.656
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets and igneous gravels.	DP	B053_0.0-0.1		No odours, staining or asbestos. 20251107_QC/QA02TL taken at 0.0-0.1 mbgs
		0.2		Natural - CLAY, red, homogeneous, damp, low plasticity, stiff, inclusions of rootlets and igneous gravels.	DP	B053_0.2-0.3		No odours, staining or asbestos.
		0.3		Termination Depth at: 0.30 m bgl				
		0.4						
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B058

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291761.557
NORTHING 6247442.579
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity - non-plastic, soft, inclusions of rootlets.	DP	B058_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, light brown / orange, homogeneous, damp, low plasticity, soft	DP	B058_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B059

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291857.279
NORTHING 6247437.851
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B059_0.0-0.1		No odours, staining or asbestos. QA/QC01_20251105GB taken at 0.0-0.1 mbgs.
		0.2						
		0.3		Natural - CLAY, light brown, homogeneous, damp, low plasticity, firm	DP	B059_0.3-0.4		No odours, staining or asbestos.
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B060

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291875.631
NORTHING 6247459.282
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.70 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity - medium plasticity, soft, inclusions of rootlets.	DP	B060_0.0-0.1		No odours, staining or asbestos.
		0.2				B060_0.2-0.3		
		0.3						
		0.4				B060_0.4-0.5		
		0.5						
		0.6		Natural - CLAY, grey / brown, homogeneous, damp, medium plasticity, firm	DP	B060_0.6-0.7		No odours, staining or asbestos.
		0.7		Termination Depth at: 0.70 m bgl				
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B061

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291932.975
NORTHING 6247450.579
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B061_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, light brown, homogeneous, damp, medium plasticity, very stiff, inclusions of tarce igneous gravels.	DP	B061_0.3-0.4		No odours, staining or asbestos.
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B062

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291984.691
NORTHING 6247443.358
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of roots, rootlets, and trace gravels.	DP	B062_0.01-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, orange / brown, heterogeneous, damp, medium plasticity - low plasticity, stiff, inclusions of trace rootlets.	DP	B062_0.3-0.4		No odours, staining or asbestos.
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B063

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292008.835
NORTHING 6247453.039
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of roots, rootlets, and trace gravels.	DP	B063_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, orange / brown, heterogeneous, damp, medium plasticity - low plasticity, stiff, inclusions of trace rootlets.	DP	B063_0.3-0.4		No odours, staining or asbestos.
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B064

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292051.369
NORTHING 6247448.039
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B064_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, brown, homogeneous, damp, low plasticity, firm	DP	B064_0.2-0.3		No odours, staining or asbestos.
		0.3						
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B065

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292108.712
NORTHING 6247439.336
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B065_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, red, homogeneous, damp, low plasticity, stiff	DP	B065_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.30 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B066

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292166.056
NORTHING 6247430.634
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B066_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, dark brown / orange, homogeneous, damp, low plasticity, very stiff	DP	B066_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B067

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292223.399
NORTHING 6247421.931
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B067_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, brown / dark yellow, homogeneous, damp, low plasticity, stiff	DP	B067_0.3-0.4		No odours, staining or asbestos.
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B068

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292280.743
NORTHING 6247413.229
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of ironstone gravels / boulders and rootlets.	DP	B068_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - Gravelly CLAY, brown / grey, homogeneous, moist, low plasticity, stiff, inclusions of natural rounded ironstone / alluvial gravels.	M			No odours, staining or asbestos.
		0.3				B068_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B069

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292323.263
NORTHING 6247394.042
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B069_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, brown, homogeneous, damp, low plasticity, stiff, inclusions of rootlets.	DP	B069_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B070

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292452.773
NORTHING 6247387.122
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B070_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, brown, homogeneous, damp, medium plasticity, firm	DP			No odours, staining or asbestos.
		0.3				B070_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B071

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292510.116
NORTHING 6247378.419
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, grey / brown, heterogeneous, dry, non-plastic, soft, inclusions of trace rootlets.	DR	B071_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange, homogeneous, dry, non-plastic, stiff, inclusions of trace igneous gravels.	DR			No odours, staining or asbestos.
		0.3				B071_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B072

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292567.46
NORTHING 6247369.717
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, non-plastic, soft, inclusions of trace rootlets.	DR	B072_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange, homogeneous, dry, non-plastic, stiff, inclusions of trace igneous gravels.	DR			No odours, staining or asbestos.
		0.3				B072_0.3-0.4		
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B075

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292734.61
NORTHING 6247388.406
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets, and igneous / ironstone gravels / boulders.	DP	B075_0–0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, red / light grey / brown mottled, homogeneous, damp, medium plasticity, stiff, inclusions of trace rootlets and ironstone gravels / boulders.	DP	B075_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B074

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292678.978
NORTHING 6247378.544
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity - medium plasticity, soft, inclusions of igneous gravels and rootlets.	DR	B074_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, red, homogeneous, dry, low plasticity, stiff, inclusions of ironstine gravels.	DR	B074_0.2-0.3		No odours, staining or asbestos.
		0.3		Termination Depth at: 0.30 m bgl				
		0.4						
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B073

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292622.07
NORTHING 6247383.289
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, medium plasticity, soft, inclusions of rootlets.	DR	B073_0.0-0.1		No odours, staining or asbestos. 20251107_QA/QC01TL taken at 0.0-0.1 mbgs.
		0.2						
		0.3		Natural - CLAY, orange, homogeneous, dry, non-plastic, stiff	DR	B073_0.3-0.4		No odours, staining or asbestos.
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B080

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291752.242
NORTHING 6247419.343
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B080_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, light brown / orange, homogeneous, damp, low plasticity, firm	DP	B080_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B081

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291805.608
NORTHING 6247405.941
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B081_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, brown, homogeneous, damp, low plasticity, stiff	DP	B081_0.3-0.4		No odours, staining or asbestos.
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B082

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291866.929
NORTHING 6247401.938
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets and grass.	DP	B082_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, brown, homogeneous, damp, low plasticity - medium plasticity, stiff	DP			No odours, staining or asbestos.
		0.3				B082_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B083

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291924.272
NORTHING 6247393.236
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B083_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, orange / brown, homogeneous, damp, low plasticity, stiff	DP	B083_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B084

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291985.323
NORTHING 6247399.398
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B084_0.0-0.1		No odours, staining or asbestos. 20251106_QA/QC01TL taken at 0.0-0.1 mbgs.
		0.2						
		0.3		Natural - CLAY, orange / brown, homogeneous, damp, medium plasticity, stiff	DP	B084_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B085

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292042.667
NORTHING 6247390.695
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B085_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange, homogeneous, damp, low plasticity, very stiff, inclusions of trace igneous gravels.	DP	B085_0.2-0.3		No odours, staining or asbestos.
		0.3		Termination Depth at: 0.30 m bgl				
		0.4						
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B086

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292100.01
NORTHING 6247381.993
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B086_0.0-0.1		No odours, staining or asbestos. 20251106_QA/QC02TL taken at 0.0-0.1 mbgs.
		0.2						
		0.3		Natural - CLAY, orange / light brown, homogeneous, damp, low plasticity, very stiff, inclusions of trace igneous gravels.	DP	B086_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B087

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292157.353
NORTHING 6247373.29
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.60 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, non-plastic, soft, inclusions of rootlets.	DR	B087_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, red, homogeneous, damp, low plasticity, very stiff, inclusions of trace igneous gravels.	DP	B087_0.3-0.4		No odours, staining or asbestos.
		0.4						
		0.5						
		0.6		Termination Depth at: 0.60 m bgl				
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B088

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292214.697
NORTHING 6247364.588
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft, inclusions of rootlets.	DR	B088_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange / brown, homogeneous, damp, low plasticity, stiff, inclusions of igneous / ironstone gravels.	DP			No odours, staining or asbestos.
		0.3				B088_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B089

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292272.04
NORTHING 6247355.886
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets and trace igneous gravels.	DP	B089_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, orange / brown, homogeneous, damp, low plasticity, stiff, inclusions of ironstone / igneous gravels.	DP	B089_0.3-0.4		No odours, staining or asbestos.
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B090

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 27 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292329.384
NORTHING 6247347.183
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, light brown, heterogeneous, dry, medium plasticity, soft, inclusions of rootlets.	DR	B090_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, firm	DP	B090_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B091

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292386.727
NORTHING 6247338.481
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B091_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, brown / red, homogeneous, damp, low plasticity, stiff	DP	B091_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B092

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292444.071
NORTHING 6247329.778
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, light brown, heterogeneous, damp, low plasticity - non-plastic, soft, inclusions of rootlets.	DP	B092_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, brown / red, homogeneous, damp, non-plastic, stiff	DP	B092_0.3-0.4		No odours, staining or asbestos.
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B099

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291699.845
NORTHING 6247358.7
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 1.00 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity - medium plasticity, soft, inclusions of rootlets.	DP	B099_0.0-0.1		No odours, staining or asbestos.
		0.2				B099_0.2-0.3		
		0.3						
		0.4				B099_0.4-0.5		
		0.5						
		0.6						
		0.7		Natural - CLAY, light brown, homogeneous, damp, low plasticity - medium plasticity, soft	DP			No odours, staining or asbestos.
		0.8						
		0.9				B099_0.9-1.0		
		1		Termination Depth at: 1.00 m bgl				
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B100

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291743.54
NORTHING 6247362
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity - medium plasticity, soft, inclusions of rootlets.	DP	B100_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, light brown, homogeneous, damp, low plasticity, firm	DP			No odours, staining or asbestos.
		0.3				B100_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B101

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291804.864
NORTHING 6247350.928
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B101_0.0-01		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, orange, homogeneous, dry, low plasticity, stiff	DR	B101_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B102

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291858.226
NORTHING 6247344.595
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B102_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, brown, homogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B102_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B103

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291915.57
NORTHING 6247335.893
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, medium plasticity, stiff, inclusions of rootlets.	DP	B103_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, brown / orange, homogeneous, damp, low plasticity, very stiff	DP			No odours, staining or asbestos.
		0.4				B103_0.4-0.5		
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B104

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291976.621
NORTHING 6247342.054
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, medium plasticity, soft, inclusions of roots, rootlets, and trace igneous gravels.	DP	B104_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, brown / orange, homogeneous, dry, low plasticity, very stiff, inclusions of trace rootlets.	DR	B104_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B105

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292033.964
NORTHING 6247333.352
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B105_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, red / brown, homogeneous, dry, medium plasticity, very stiff, inclusions of trace rootlets.	DR	B105_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B106

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292091.308
NORTHING 6247324.649
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft, inclusions of roots, rootlets, and trace igneous gravels.	DR	B106_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange, homogeneous, dry, low plasticity, stiff, inclusions of trace rootlets.	DR	B106_0.2-0.3		No odours, staining or asbestos.
		0.3						
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B111

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292372.283
NORTHING 6247308.228
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.70 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B111_0.0-0.1		No odours, staining or asbestos.
		0.2				B111_0.2-0.3		
		0.3						
		0.4				B111_0.4-0.5		
		0.5						
		0.6		Natural - CLAY, brown, homogeneous, damp, medium plasticity, stiff	DP	B111_0.6-0.7		No odours, staining or asbestos.
		0.7		Termination Depth at: 0.70 m bgl				
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B110

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 12 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292320.681
NORTHING 6247289.84
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, medium plasticity, stiff, inclusions of rootlets and igneous gravels.	DP	B110_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, red, homogeneous, damp, low plasticity, very stiff, inclusions of trace rootlets and igneous gravels.	DP	B110_0.3-0.4		No odours, staining or asbestos.
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B109

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 27 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292263.338
NORTHING 6247298.542
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, soft, inclusions of rootlets.	DR	B109_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, brown, heterogeneous, damp, low plasticity, stiff, no inclusions.	DP			No odours, staining or asbestos.
		0.3				B109_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B108

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292205.994
NORTHING 6247307.244
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft, inclusions of roots, rootlets, and trace gravels.	DR	B108_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange / grey / brown, heterogeneous, dry, low plasticity, very stiff, inclusions of trace rootlets and ironstone gravels.	DR			No odours, staining or asbestos.
		0.3				B108_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B107

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292131.901
NORTHING 6247325.072
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft, inclusions of roots, rootlets, and trace igneous gravels.	DR	B107_0.0-0.1		No odours, staining or asbestos. QA/QC03A taken at 0.0-0.1.
		0.2		Natural - CLAY, orange, homogeneous, dry, medium plasticity, stiff, no inclusions.	DR			No odours, staining or asbestos.
		0.3				B107_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B131

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291734.837
NORTHING 6247304.656
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B131_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, light brown, homogeneous, damp, medium plasticity, soft	DP			No odours, staining or asbestos.
		0.3				B131_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B132

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291792.181
NORTHING 6247295.954
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B132_0.0-0.1		No odours, staining or asbestos.
		0.2				B132_0.2-0.3		
		0.3		Natural - CLAY, brown, homogeneous, damp, medium plasticity, stiff	DP	B132_0.3-0.4		No odours, staining or asbestos.
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B133

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291849.524
NORTHING 6247287.252
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B133_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, brown, homogeneous, damp, low plasticity, stiff	DP	B133_0.2-0.3		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B134

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291910.575
NORTHING 6247293.413
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets, trace charcoal, and gravels.	DP	B134_0.0-0.1		No odours, staining or asbestos. QA/QC02A taken at 0.0-0.1 mbgs.
		0.2		Natural - CLAY, orange / brown, heterogeneous, dry, medium plasticity, stiff, inclusions of trace rootlets and fine rounded gravels.	DR			No odours, staining or asbestos.
		0.3				B134_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B135

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291967.918
NORTHING 6247284.711
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of roots, rootlets, and trace gravels.	DP	B135_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, orange / brown, heterogeneous, dry, medium plasticity, stiff, inclusions of trace rootlets and fine gravels.	DR	B135_0.3-0.4		No odours, staining or asbestos.
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B140

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 27 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292249.243
NORTHING 6247255.003
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B140_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, firm, no inclusions.	DP			No odours, staining or asbestos.
		0.3				B140_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B139

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292197.292
NORTHING 6247249.901
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.55 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Roadbase - Gravelly SAND, brown / light grey, heterogeneous, dry, well graded, coarse sand, sub-angular, dense, inclusions of roadbase gravels, sandstone cobbles, and trace brick.	DR	B139_0.0-0.1		No odours, staining or asbestos.
		0.2		Former Topsoil - Silty CLAY, dark brown / black, heterogeneous, damp, low plasticity, soft, inclusions of trace gravels and rootlets.	DP	B139_0.2-0.3		No odours, staining or asbestos.
		0.3						
		0.4		Natural - CLAY, orange / brown, heterogeneous, damp, medium plasticity, firm, inclusions of trace fine gravels.	DP	B139_0.4-0.5		No odours, staining or asbestos.
		0.5						
		0.6		Termination Depth at: 0.55 m bgl				
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B138

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292139.949
NORTHING 6247258.603
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft, inclusions of roots, rootlets, and trace gravels.	DR	B138_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange / brown, heterogeneous, dry, low plasticity, very stiff, inclusions of trace rootlets and fine igenous gravels.	DR	B138_0.2-0.3		No odours, staining or asbestos.
		0.3		Termination Depth at: 0.30 m bgl				
		0.4						
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B137

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292082.605
NORTHING 6247267.306
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, firm, inclusions of roots, rootlets, and trace gravels.	DR	B137_0.0-0.1		No odours, staining or asbestos. QA/QC04A taken at 0.0-0.1 mbgs.
		0.2		Natural - CLAY, orange, heterogeneous, dry, low plasticity, very stiff, inclusions of trace rootlets.	DR			No odours, staining or asbestos.
		0.3				B137_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B136

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292025.262
NORTHING 6247276.008
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.35 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft, inclusions of roots, rootlets, shale and igneous gravels.	DR	B136_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, orange / brown, heterogeneous, dry, low plasticity, stiff, inclusion of trace tree root.	DR			No odours, staining or asbestos. Insufficient quantity for soil sample.
		0.4		Termination Depth at: 0.35 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B160

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291668.791
NORTHING 6247256.015
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B160_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, light brown, homogeneous, damp, medium plasticity, soft	DP			No odours, staining or asbestos.
		0.3				B160_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B161

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291726.135
NORTHING 6247247.313
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B161_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - Silty CLAY, light grey, homogeneous, damp, low plasticity, soft	DP	B161_0.2-0.3		No odours, staining or asbestos.
		0.3						
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B167

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292131.246
NORTHING 6247201.26
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft, inclusions of rootlets.	DR	B167_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange/red, heterogeneous, dry, medium plasticity, very stiff, inclusions of trace rootlets and fine rounded igneous gravels.	DR			No odours, staining or asbestos.
		0.3				B167_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B166

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292073.755
NORTHING 6247211.74
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft, inclusions of roots, rootlets and trace gravels.	DR	B166_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange/brown, heterogeneous, dry, medium plasticity, stiff, inclusions of trace rootlets and fine igneous gravels.	DR			No odours, staining or asbestos.
		0.3				B166_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B165

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 06 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292016.559
NORTHING 6247218.665
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft, inclusions of roots, rootlets and shale and ironstone gravels.	DR	B165_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange/red, heterogeneous, dry, medium plasticity, stiff, inclusions of trace rootlets.	DR			No odours, staining or asbestos.
		0.3				B165_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B164

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291901.873
NORTHING 6247236.07
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of roots and rootlets.	DP	B164_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange/brown, homogeneous, damp, medium plasticity, firm, inclusions of trace rootlets.	DP	B164_0.2-0.3		No odours, staining or asbestos.
		0.3		Termination Depth at: 0.30 m bgl				
		0.4						
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B163

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291840.822
NORTHING 6247229.908
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft, inclusions of roots, rootlets, and grass	DP	B163_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, orange/brown, homogeneous, damp, medium plasticity, firm	DP			No odours, staining or asbestos.
		0.3				B163_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B162

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291783.478
NORTHING 6247238.611
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.55 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, soft, inclusion of trace fine gravels	DR	B162_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - Clayey SILT, light brown, heterogeneous, dry, soft dense	DR			No odours, staining or asbestos.
		0.3				B162_0.3-0.4		
		0.4						
		0.5						
		0.6		Termination Depth at: 0.55 m bgl				
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B179

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291602.746
NORTHING 6247207.374
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, non-plastic, soft, Inclusions of rootlets.	DP	B179_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, light brown, heterogeneous, damp, non-plastic, soft	DP			No odours, staining or asbestos.
		0.3				B179_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B180

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291660.089
NORTHING 6247198.672
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, non-plastic, soft, Inclusions of rootlets.	DP	B180_0.0-0.1		No odours, staining or asbestos. 20251105_QA/QC02TL taken at 0.0-0.1 mbgs.
		0.2		Natural - CLAY, light grey, homogeneous, damp, soft loose	DP	B180_0.2-0.3		No odours, staining or asbestos.
		0.3						
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

SOIL BOREHOLE B181

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291717.432
NORTHING 6247189.97
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft, inclusions of roots, rootlets and trace igneous gravels.	DR	B181_0.0-0.1		No odours, staining or asbestos, QA/QC01A taken at 0.0-0.1 mbgs.
		0.2		Natural - Clayey SILT, light brown/orange, homogeneous, dry, non-plastic, soft	DR			No odours, staining or asbestos.
		0.3				B181_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B182

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291774.776
NORTHING 6247181.267
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft, inclusions of roots, rootlets and grass.	DR	B182_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - Clayey SILT, brown/orange, homogeneous, dry, low plasticity, soft dense	DR			No odours, staining or asbestos.
		0.3				B182_0.3-0.4		
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B203

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291536.7
NORTHING 6247158.733
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, medium plasticity, soft, inclusion of rootlets	DR	B203_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, light brown, homogeneous, damp, medium plasticity, stiff	DR	B203_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B204

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291594.043
NORTHING 6247150.031
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, medium plasticity, soft, inclusion of rootlets	DR	B204_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - CLAY, orange, homogeneous, dry, medium plasticity, stiff	DR	B204_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B205

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291651.387
NORTHING 6247141.329
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, medium plasticity, soft	DR	B205_0.0-0.1		No odours, staining or asbestos.
		0.2		Natural - CLAY, light brown, homogeneous, dry, medium plasticity, stiff, inclusions of trace rootlets and fine gravels.	DR	B205_0.2-0.3		No odours, staining or asbestos.
		0.3		Termination Depth at: 0.30 m bgl				
		0.4						
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B223

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291577.242
NORTHING 6247095.696
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity - non-plastic, soft, inclusions of rootlets.	DP	B223_0.0-0.1		No odours, staining or asbestos. 20251105_QA/QC01TL taken at 0.0-0.1 mbgs.
		0.2						
		0.3		Natural - CLAY, light brown, homogeneous, dry, medium plasticity, stiff	DR	B223_0.3-0.4		No odours, staining or asbestos.
		0.4		Termination Depth at: 0.40 m bgl				
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B236

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 05 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 291517.444
NORTHING 6247033.634
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Topsoil - Clayey SILT, brown, heterogeneous, dry, non-plastic, soft, inclusions of trace roots, rootlets, and grass.	DR	B236_0.0-0.1		No odours, staining or asbestos.
		0.2						
		0.3		Natural - SILT, orange / brown, heterogeneous, dry, non-plastic, soft, no inclusions.	DR	B236_0.3-0.4		No odours, staining or asbestos.
		0.4						
		0.5		Termination Depth at: 0.50 m bgl				
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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SOIL BOREHOLE B057

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292995.533
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247377.756
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 07 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B057_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, bright red / orange, heterogeneous, very dry, low plasticity, firm	DR		No odours, staining or asbestos.
	0.3				B057_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B076

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292846.802
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247344.217
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.30 m bgl
DRILLING DATE 07 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, dark brown, heterogeneous, damp, non-plastic, soft, inclusions of rootlets and ignoeus gravels.	DP	B076_0–0.1	No odours, staining or asbestos.
	0.2		Natural - Clayey SILT, red, homogeneous, dry, non-plastic, soft, inclusions of ironstoine cobbles / boulders.	DR	B076_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B077

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292903.23
NORTHING 6247336.163
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.45 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, brown, heterogeneous, dry, non-plastic, soft, inclusions of rootlets.	DR	B077_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, red, homogeneous, very dry, non-plastic, soft, inclusions of trace rootlets.	DR	B077_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5		Termination Depth at: 0.45 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B078

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292959.658
NORTHING 6247328.109
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B078_0–0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, orange, homogeneous, damp, low plasticity - medium plasticity, stiff	DP	B078_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B079

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292988.773
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247323.467
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 07 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, non-plastic, soft	DR	B079_0.0-0.1	No odours, staining or asbestos.
	0.2		Clayey SILT, light brown, heterogeneous, dry, non-plastic, soft, inclusions of rootlets.	DR	B079_0.1-0.2	No odours, staining or asbestos.
	0.3		Natural - CLAY, orange, homogeneous, dry, non-plastic, soft, inclusions of trace rootlets.	DR	B079_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B093

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292725.891
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247303.896
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 07 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B093_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - SILT, light brown, homogeneous, damp, poorly graded sub-angular, loose	DP	B093_0.1-0.2	No odours, staining or asbestos.
	0.3		Natural - CLAY, orange, homogeneous, damp, low plasticity, stiff	DP	B093_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B094

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292782.319
NORTHING 6247295.843
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B094_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - SILT, light brown, homogeneous, damp, poorly graded sub-angular, loose	DP	B094_0.1-0.2	No odours, staining or asbestos.
	0.3		Natural - CLAY, orange, homogeneous, damp, low plasticity, stiff	DP	B094_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B095

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292838.748
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247287.789
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 07 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, soft - firm, inclusions of roots, rootlets, and fine igneous gravels.	DR	B095_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, light orange / brown mottled, heterogeneous, dry, low plasticity, stiff, inclusions of trace rootlets and fine igneous gravels.	DR	B095_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B096

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292895.176
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247279.735
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 07 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft - firm, inclusions of roots, rootlets, and fine igneous gravels.	DR	B096_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, orange / brown, heterogeneous, dry, medium plasticity, stiff, inclusions of trace rootlets.	DR		No odours, staining or asbestos.
	0.3				B096_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B097

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292951.604
NORTHING 6247271.681
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, firm, inclusions of roots, rootlets, and fine igneous gravels.	DR	B097_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, red / orange / brown, heterogeneous, dry, low plasticity, very stiff, inclusions of trace rootlets and fine igneous gravels.	DR		No odours, staining or asbestos.
	0.3				B097_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B098

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292985.565
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247261.436
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 07 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, firm, inclusions of roots, rootlets, and fine igneous gravels.	DR	B098_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, orange / brown, heterogeneous, dry, low plasticity, very stiff, inclusions of trace rootlets and fine igneous gravels.	DR		No odours, staining or asbestos.
	0.3				B098_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B112

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292774.265
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247239.414
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 07 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of roots, rootlets, and trace igneous gravels.	DP	B112_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, red / orange, homogeneous, damp, medium plasticity, stiff, inclusions of trace rootlets and fine igneous gravels.	DP		No odours, staining or asbestos.
	0.3				B112_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B113

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292830.694
NORTHING 6247231.36
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of roots and rootlets.	DP	B113_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, light orange, homogeneous, damp, high plasticity, firm, no inclusions.	DP		No odours, staining or asbestos.
	0.3				B113_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B114

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292885.502
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247208.729
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 07 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		CLAY, brown / orange, heterogeneous, damp, medium plasticity, firm, inclusions of igneous gravels, roots and rootlets. RWN potentially from construction of farm dam.		B114_0.0-0.1	No odours, staining or asbestos.
	0.2		Former Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B114_0.2-0.3	No odours, staining or asbestos.
	0.3		Natural - CLAY, orange / brown, homogeneous, damp, low plasticity, stiff, inclusions of trace rootlets and igneous gravels.	DP	B114_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B115

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292943.55
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247215.253
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.30 m bgl
DRILLING DATE 07 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, firm - stiff, inclusions of roots, rootlets, and igneous gravels.	DR	B115_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, orange / brown / gret, heterogeneous, dry, low plasticity, very stiff, inclusions of trace rootlets and igneous gravels.	DR	B115_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B116

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292999.978
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247207.199
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft - firm, inclusions of roots, rootlets, and trace igneous gravels.	DR	B116_0.0-0.1	No odours, staining or asbestos. QA/QC07A taken at 0.0-0.1 mbgs.
	0.2					
	0.3		Natural - CLAY, orange / brown, heterogeneous, dry, low plasticity, very stiff, inclusions of trace rootlets and fine igneous gravels.	DR	B116_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B117

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293056.406
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247199.145
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.30 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, soft - firm, inclusions of roots, rootlets, and trace igneous gravels.	DR	B117_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, orange / brown, heterogeneous, dry, low plasticity, very stiff, inclusions of trace rootlets and fine igneous gravels.	DR	B117_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B118

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293112.834
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247191.091
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, firm, inclusions of roots, rootlets, and fine igneous gravels.	DR	B118_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, light brown / orange, heterogeneous, dry, low plasticity, very stiff, inclusions of trace fine igneous gravels.	DR	B118_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B119

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293169.262
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247183.037
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1 0.2 0.3		Topsoil - Silty CLAY, grey, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B119_0.0-0.1	No odours, staining or asbestos.
	0.4		Natural - CLAY, brown, heterogeneous, damp, low plasticity, firm	DP	B119_0.3-0.4	No odours, staining or asbestos.
	0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9		Termination Depth at: 0.50 m bgl			

SOIL BOREHOLE B120

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293225.691
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247174.983
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, light brown / light grey, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B120_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, firm	DP	B120_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B121

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293282.119
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247166.929
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, grey, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B121_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, firm	DP	B121_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B122

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293338.547
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247158.875
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.30 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light grey, heterogeneous, dry, medium plasticity, soft, inclusions of rootlets.	DR	B122_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, firm	DP	B122_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B123

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293353.922
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247143.765
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.30 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light grey, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B123_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, firm	DP	B123_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B124

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293424.135
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247133.226
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light brown / light grey, heterogeneous, dry, medium plasticity, soft, inclusions of rootlets.	DR	B124_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, firm	DP	B124_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B125

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293494.349
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247122.687
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.60 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1 0.2 0.3 0.4		Topsoil - Clayey SILT, light brown / orange, heterogeneous, dry, low plasticity, soft, inclusions of roots, rootlets, and trace fine igneous gravels.	DR	B125_0.0-0.1 B125_0.3-0.4	No odours, staining or asbestos. QA/QC11A taken at 0.0-0.1 mbgs.
	0.5 0.6		Natural - CLAY, orange / brown, heterogeneous, damp, low plasticity, firm, inclusions of trace fine igneous gravels.	DP	B125_0.5-0.6	No odours, staining or asbestos.
	0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9		Termination Depth at: 0.60 m bgl			

SOIL BOREHOLE B126

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293564.562
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247112.149
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft, inclusions of roots, rootlets, and trace fine igneous gravels.	DR	B126_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, orange / brown, homogeneous, damp, low plasticity, firm	DP		No odours, staining or asbestos.
	0.3				B126_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B127

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293634.776
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247101.61
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.80 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light brown, heterogeneous, dry, non-plastic, soft, inclusions of roots, rootlets, and trace fine igneous gravels.	DR	B127_0.0-0.1	No odours, staining or asbestos.
	0.2		Clayey SILT, orange / brown / grey, heterogeneous, dry, low plasticity, soft, inclusions of trace rootlets and fine gravels.	DR		No odours, staining or asbestos.
	0.3				B127_0.3-0.4	
	0.4					
	0.5					
	0.6		Natural - CLAY, brown / grey / orange, heterogeneous, dry, medium plasticity, firm, no inclusions.	DR	B127_0.6-0.7	No odours, staining or asbestos.
	0.7					
	0.8		Termination Depth at: 0.80 m bgl			
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B128

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293704.989
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247091.071
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.30 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light brown / orange, heterogeneous, dry, low plasticity, soft, inclusions of roots, rootlets, and trace fine igneous gravels.	DR	B128_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - Silty CLAY, light brown / orange, heterogeneous, dry, low plasticity, firm, inclusions of trace tree root.	DR	B128_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B129

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293775.203
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247080.533
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light brown, heterogeneous, dry, low plasticity, soft, inclusions of roots, rootlets, and trace fine igneous gravels.	DR	B129_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - Silty CLAY, orange / brown, homogeneous, dry, low plasticity, firm, no inclusions.	DR		No odours, staining or asbestos.
	0.3				B129_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B130

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293845.416
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247069.994
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.30 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, soft, inclusions of roots, rootlets, and trace fine igneous gravels.	DR	B130_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - Silty CLAY, orange / brown, heterogeneous, dry, medium plasticity, firm, inclusions of trace fine igneous gravels.	DR	B130_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B141

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292766.212
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247182.986
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B141_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, orange / red, heterogeneous, dry, low plasticity, stiff, inclusions of trace rootlets and fine igneous gravels.	DR	B141_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B142

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292822.64
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247174.932
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.30 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, firm, inclusions of roots, rootlets, and trace gravels.	DR	B142_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, orange / red, heterogeneous, dry, low plasticity, stiff, inclusions of trace rootlets, ironstone gravels and cobbles.	DR	B142_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B143

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292879.068
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247166.878
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 07 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets and worms.	DP	B143_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3				B143_0.2-0.3	
	0.4		Natural - CLAY, brown, heterogeneous, damp, low plasticity, stiff, inclusions of trace igneous gravels.	DP	B143_0.4-0.5	No odours, staining or asbestos.
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B144

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292935.496
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247158.824
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 07 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B144_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, soft	DP	B144_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B145

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292991.924
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247150.77
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, non-plastic, soft, inclusions of rootlets and trace igneous gravels.	DR	B145_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, orange / brown, heterogeneous, dry, low plasticity, very stiff, inclusions of trace rootlets and fine igneous gravels.	DR		No odours, staining or asbestos.
	0.3				B145_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B146

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293048.352
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247142.717
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, soft, inclusions of rootlets and ironstone cobble.	DR	B146_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, orange / brown, heterogeneous, dry, low plasticity, very stiff, inclusions of trace rootlets and fine igneous gravels.	DR		No odours, staining or asbestos.
	0.3				B146_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B147

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293104.78
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247134.663
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, firm, inclusions of roots, rootlets, and igneous gravels.	DR	B147_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, orange / brown, heterogeneous, dry, low plasticity, very stiff, inclusions of trace rootlets and fine igneous gravels.	DR	B147_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B148

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293161.208
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247126.609
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, light grey, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B148_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, stiff	DP	B148_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B149

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293217.637
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247118.555
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, grey, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B149_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, light brown, heterogeneous, damp, medium plasticity, soft	DP	B149_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B150

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293274.065
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247110.501
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, light grey, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B150_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, firm	DP	B150_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B151

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293343.383
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247073.551
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.30 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light grey, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B151_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, brown, heterogeneous, damp, low plasticity, firm	DP	B151_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B152

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293413.597
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247063.012
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.30 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light grey, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B152_0.0-0.1	No odours, staining or asbestos. QA/QC01_20251111GB taken at 0.0-0.1.
	0.2		Natural - CLAY, brown, heterogeneous, damp, low plasticity, stiff	DP	B152_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B153

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293483.81
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247052.474
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light brown / grey, heterogeneous, dry, low plasticity, soft, inclusions of rootlets and fine igenous gravels.	DR	B153_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, light orange / light brown, homogeneous, dry, medium plasticity, stiff, no inclusions.	DR	B153_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5					
	0.6		Termination Depth at: 0.50 m bgl			
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B154

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293554.024
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247041.935
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.60 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light brown, heterogeneous, dry, non-plastic, soft, inclusions of rootlets.	DR	B154_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Clayey SILT, light brown / grey, homogeneous, dry, low plasticity, soft, no inclusions.	DR	B154_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5		Natural - Silty CLAY, grey / orange, homogeneous, dry, low plasticity, soft, no inclusions.	DR	B154_0.5-0.6	No odours, staining or asbestos.
	0.6		Termination Depth at: 0.60 m bgl			
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B155

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293622.023
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247032.874
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.30 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, light brown, heterogeneous, dry, non-plastic, firm, inclusions of roots, rootlets, and trace igneous gravels.	DR	B155_0.0-0.1	No odours, staining or asbestos. QA/QC12A taken at 0.0-0.1 mbgs.
	0.2		Natural - CLAY, orange / brown, heterogeneous, dry, low plasticity, firm, inclusions of trace rootlets, fine igneous gravels, and tree root.	DR	B155_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B156

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293694.451
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247020.858
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.20 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Natural - Silty CLAY, orange / brown, heterogeneous, damp, low plasticity - medium plasticity, soft, inclusions of rootlets.	DP	B156_0.0-0.1	No odours, staining or asbestos.
	0.2		Termination Depth at: 0.20 m bgl			
	0.3					
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B157

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293765.539
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246991.782
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B157_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, orange / brown, homogeneous, damp, medium plasticity, soft	DP		No odours, staining or asbestos.
	0.3				B157_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B158

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293834.878
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246999.781
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, light brown, heterogeneous, dry, medium plasticity, firm, inclusions of roots, rootlets, and trace igneous gravels.	DR	B158_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - Silty CLAY, brown / orange, homogeneous, dry, medium plasticity, soft, no inclusions.	DR		No odours, staining or asbestos.
	0.3				B158_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B159

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 12 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 293894.438
NORTHING 6247009.813
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, light brown, heterogeneous, dry, low plasticity, firm, inclusions of roots, rootlets, and trace igneous gravels.	DR	B159_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - Silty CLAY, orange / brown, heterogeneous, dry, low plasticity, soft, inclusions of trace rootlets.	DR	B159_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B168

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292708.22
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247140.914
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 07 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown/black, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B168_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - SILT, grey, heterogeneous, damp, non-plastic, soft	DP	B168_0.2-0.3	No odours, staining or asbestos.
	0.3		Natural - CLAY, light brown, heterogeneous, damp, non-plastic, stiff	DP	B168_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B169

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292758.158
NORTHING 6247126.558
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Sandy, silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B169_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, brown/redish, heterogeneous, damp, non-plastic, firm	DP		No odours, staining or asbestos.
	0.3				B169_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B170

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292814.586
NORTHING 6247118.504
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, non-plastic, soft, inclusions of rootlets.	DP	B170_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, brown, heterogeneous, damp, non-plastic, stiff	DP	B170_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B171

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 07 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292871.014
NORTHING 6247110.45
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, non-plastic, soft, inclusions of rootlets.	DP	B171_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown, heterogeneous, damp, non-plastic, stiff	DP	B171_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B172

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292927.442
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247102.396
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 07 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, non-plastic, soft, inclusions of rootlets and worms.	DP	B172_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown, heterogeneous, damp, non-plastic, stiff	DP	B172_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B173

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292983.87
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247094.342
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, brown, heterogeneous, dry, non-plastic, soft, inclusions of rootlets, roots and trace fine igneous gravels.	DR	B173_0.0-0.1	No odours, staining or asbestos. QA/QC08A taken at 0.0-0.1 mbgs.
	0.2					
	0.3		Natural - CLAY, brown/orange, heterogeneous, dry, low plasticity, very stiff, inclusions of trace fine igeneous gravels.	DR		No odours, staining or asbestos.
	0.4				B173_0.4-0.5	
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B174

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293040.298
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247086.288
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, soft, inclusions of roots and rootlets	DR	B174_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown/orange, heterogeneous, dry, low plasticity, stiff, inclusions of trace roots and fine igneous gravels.	DR		No odours, staining or asbestos.
	0.4				B174_0.4-0.5	
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B175

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293096.726
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247078.234
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.35 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, brown, heterogeneous, dry, non-plastic, soft, inclusions of roots, rootlets and trace igneous gravels.	DR	B175_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - Clayey SILT, brown/orange, heterogeneous, dry, low plasticity, hard, inclusions of trace igneous gravels.	DR	B175_0.2-0.3	No odours, staining or asbestos.
	0.3					
	0.4		Termination Depth at: 0.35 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B176

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293153.154
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247070.18
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, grey/brown, heterogeneous, dry, non-plastic, soft, Inclusions of rootlets.	DR	B176_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown, heterogeneous, damp, non-plastic, firm	DP	B176_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B177

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293209.583
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247062.127
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, grey/brown, heterogeneous, dry, non-plastic, soft, Inclusions of rootlets.	DR	B177_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown, heterogeneous, damp, non-plastic, firm	DP	B177_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B178

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293266.011
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247054.073
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.30 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, light grey, heterogeneous, dry, non-plastic, soft, Inclusions of rootlets.	DR	B178_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, brown, heterogeneous, damp, non-plastic, firm	DP	B178_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B183

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292693.676
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247078.184
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.80 m bgl
DRILLING DATE 07 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B183_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - Clayey SILT, grey, heterogeneous, damp, non-plastic, soft	DP	B183_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5					
	0.6		Natural - CLAY, grey/orange mottled, homogeneous, damp, low plasticity, firm	DP	B183_0.6-0.4	No odours, staining or asbestos.
	0.7					
	0.8		Termination Depth at: 0.80 m bgl			
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B184

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 10 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292750.104
NORTHING 6247070.13
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B184_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown, heterogeneous, damp, non-plastic, firm	DP	B184_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B185

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292806.532
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247062.076
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B185_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3				B185_0.2-0.3	
	0.4		Natural - CLAY, brown, heterogeneous, damp, non-plastic, stiff	DP	B185_0.4-0.5	No odours, staining or asbestos.
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B186

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292867.304
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247064.361
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 07 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets and worms.	DP	B186_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown, heterogeneous, damp, non-plastic, stiff	DP	B186_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B187

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292919.388
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247045.968
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 07 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B187_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - SILT, white/light cream, homogeneous, damp, non-plastic, soft	DP	B187_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B188

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292975.816
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247037.914
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, firm, inclusions of roots,rootlets and trace igneous gravels	DR	B188_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - Clayey SILT, light borwn, homogeneous, dry, low plasticity, soft	DR		No odours, staining or asbestos.
	0.3		Natural - Silty CLAY, orange/light brown, homogeneous, dry, low plasticity, firm	DR	B188_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B189

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293032.244
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247029.86
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.30 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, firm, inclusions of roots and rootlets.	DR	B189_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, brown/orange, heterogeneous, dry, medium plasticity, firm, inclusions of trace rootlets.	DR	B189_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B190

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293088.672
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247021.806
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of roots and rootlets.	DP	B190_0.0-0.1	No odours, staining or asbestos. QA/QC09A taken at 0.0-0.1 mbgs.
	0.2		Natural - CLAY, dark brown, heterogeneous, dry, medium plasticity, firm, inclusions of organic matter (rootlets). Becomes orange/ dark brown at 0.2 mbgs.	DR		No odours, staining or asbestos.
	0.3				B190_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B191

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293145.101
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247013.752
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil SILT, brownish/ grey, heterogeneous, dry, soft, loose, inclusions of rootlets. Grades to light gret at 0.15 mbgs	DR	B191_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - SILT, brown, homogeneous, dry, soft loose	DR		No odours, staining or asbestos.
	0.4				B191_0.4-0.5	
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B192

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293201.529
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247005.698
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil SILT, brownish/ grey (grades to light grey with depth), homogeneous, dry, soft, very loose, inclusions of trace rootlets.	DR	B192_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - SILT, brown, homogeneous, dry, soft loose	DR		No odours, staining or asbestos.
	0.4				B192_0.4-0.5	
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B193

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293257.957
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246997.644
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light grey, heterogeneous, dry, firm, loose, inclusions of rootlets.	DR	B193_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - Silty CLAY, brown, heterogeneous, dry, low plasticity, stiff, inclusions of trace igneous gravels and rootlets.	DR	B193_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B194

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293318.583
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247017.675
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light grey, heterogeneous, dry, soft, loose, inclusions of organic matter and rootlets.	DR	B194_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - Silty CLAY, brown, heterogeneous, dry, low plasticity, stiff, inclusions of trace igneous and ironstone gravels.	DR	B194_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B195

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293374.991
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247013.483
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, light brown, heterogeneous, dry, low plasticity, soft, loose, inclusions of roolets	DR	B195_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - Silty CLAY, light orange / light grey mottled, heterogeneous, dry, medium plasticity, stiff, inclusions of trace rootlets.	DR		No odours, staining or asbestos.
	0.4				B195_0.4-0.5	
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B196

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293455.241
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247018.093
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.70 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1 0.2 0.3 0.4		Topsoil - Silty CLAY, greyish / light brown, heterogeneous, dry, medium plasticity, soft, inclusions of organic matter and rootlets.	DR	B196_0.0-0.1 B196_0.3-0.4	No odours, staining or asbestos.
	0.5 0.6 0.7		Natural - CLAY, redish/brown, homogeneous, dry, low plasticity, stiff	DR	B196_0.5-0.6	No odours, staining or asbestos.
	0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9		Termination Depth at: 0.70 m bgl			

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SOIL BOREHOLE B197

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293521.36
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247004.884
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, medium plasticity, soft, inclusions of rootlets	DR	B197_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - Silty CLAY, orange, heterogeneous, dry, non-plastic loose	DR		No odours, staining or asbestos.
	0.3				B197_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B198

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293552.314
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246973.951
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light brown, heterogeneous, dry, non-plastic, soft, inclusions of rootlets	DR	B198_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown, heterogeneous, dry, non-plastic, firm	DR	B198_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B199

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293588.862
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246967.904
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.30 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, medium plasticity, soft, inclusion of rootlets	DP	B199_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, dark grey, homogeneous, damp, high plasticity, soft	DP	B199_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B200

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293662.65
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246976.16
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.35 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, stiff, inclusion of rootlets	DR	B200_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, orange/brown, homogeneous, dry, low plasticity, stiff	DR	B200_0.2-0.3	No odours, staining or asbestos.
	0.3					
	0.4		Termination Depth at: 0.35 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B201

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293717.5
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246967.119
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.20 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Natural - CLAY, orange/brown, heterogeneous, dry, low plasticity, soft	DR	B201_0.0-0.1	No odours, staining or asbestos.
	0.2		Termination Depth at: 0.20 m bgl			
	0.3					
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B202

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293746.026
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246954.97
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, medium plasticity, soft, inclusion of rootlets, igneous gravels and boulders.	DR	B202_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, orange/brown, homogeneous, damp, medium plasticity, soft	DR	B202_0.2-0.3	No odours, staining or asbestos.
	0.3					
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B206

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292629.193
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247029.81
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.60 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, medium plasticity, soft, inclusions of rootlets.	DR	B206_0.0-0.1	No odours, staining or asbestos. QA/QC01_20251110GB taken at 0.0-0.1.
	0.2					
	0.3		Fill - Silty CLAY, brown, heterogeneous, damp, low plasticity, firm	DP	B206_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, stiff	DP	B206_0.5-0.6	No odours, staining or asbestos.
	0.6		Termination Depth at: 0.60 m bgl			
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B207

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292685.622
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247021.756
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B207_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, stiff	DP		No odours, staining or asbestos.
	0.3				B207_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B208

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292742.05
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247013.702
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, medium plasticity, soft, inclusions of rootlets.	DR	B208_0.0-0.1	No odours, staining or asbestos.
	0.2		Clayey SILT, brown, heterogeneous, damp, non-plastic, soft	DP	B208_0.2-0.3	No odours, staining or asbestos.
	0.3		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, stiff	DP	B208_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B209

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292788.346
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6247017.584
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, soft, inclusions of rootlets.	DR	B209_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, stiff	DP		No odours, staining or asbestos.
	0.3				B209_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B210

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292947.783
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246994.098
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.60 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1 0.2 0.3 0.4 0.5		Topsoil - Silty CLAY, black / dark brown, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B210_0.0-0.1 B210_0.2-0.3 B210_0.4-0.5	No odours, staining or asbestos.
	0.6		Natural - CLAY, grey, homogeneous, damp, medium plasticity, firm	DP	B210_0.5-0.6	No odours, staining or asbestos.
	0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9		Termination Depth at: 0.60 m bgl			

SOIL BOREHOLE B211

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 10 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292967.762
NORTHING 6246981.486
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.60 m bgl
LOGGED BY AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1 0.2 0.3		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, non-plastic, soft, inlcuions of roots, rootlets, ironstone gravels and cobbles.	DR	B211_0.0-0.1	No odours, staining or asbestos.
	0.4 0.5 0.6		Natural - CLAY, brown / orange, heterogeneous, dry, low plasticity, stiff, inclusionsof trace rootlets.	DR	B211_0.3-0.4	No odours, staining or asbestos.
	0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9		Termination Depth at: 0.60 m bgl			

SOIL BOREHOLE B212

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293024.19
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246973.432
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, firm, inclusions of roots, rootlets, and trace igneous gravels.	DR	B212_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, orange / brown, heterogeneous, dry, low plasticity, very stiff, inclusions of trace rootlets.	DR		No odours, staining or asbestos.
	0.3				B212_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B213

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293080.618
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246965.378
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light brown, heterogeneous, dry, non-plastic, soft, inclusions of rootlets and igneous gravels.	DR	B213_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - Silty CLAY, orange / brown, heterogeneous, dry, low plasticity, very stiff - hard, inclusions of many rounded ironstone gravels.	DR		No odours, staining or asbestos.
	0.3				B213_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B214

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293137.047
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246957.324
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, soft, inclusions of rootlets.	DR	B214_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - Silty CLAY, orange / brown, homogeneous, dry, non-plastic - low plasticity, stiff	DR		No odours, staining or asbestos.
	0.4				B214_0.4-0.5	
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B215

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293193.475
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246949.27
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1 0.2 0.3		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, soft, inclusions of rootlets.	DR	B215_0.0-0.1	No odours, staining or asbestos.
	0.4 0.5		Natural - Silty CLAY, orange / brown, homogeneous, damp, non-plastic - low plasticity, stiff	DP	B215_0.4-0.5	No odours, staining or asbestos.
	0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9		Termination Depth at: 0.50 m bgl			

SOIL BOREHOLE B216

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293265.982
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246939.838
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, brown / light grey, heterogeneous, dry, soft, fine silt loose, inclusions of rootlets.	DR	B216_0.0-0.1	No odours, staining or asbestos. 20251112_QA/QC02TL taken at 0.0-0.1 mbgs.
	0.2					
	0.3		Natural - CLAY, brown, homogeneous, dry, low plasticity, stiff, inclusions of very trace igneous / ironstone gravels (<1%)	DR	B216_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B217

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293320.745
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246931.654
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light brown / light grey, heterogeneous, damp, non-plastic, soft, inclusions of rootlets.	DP	B217_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown, heterogeneous, damp, low plasticity, firm	DP	B217_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B218

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293408.395
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246918.513
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, light brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B218_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, dark brown, heterogeneous, damp, medium plasticity, soft	DP		No odours, staining or asbestos.
	0.3				B218_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B219

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293479.601
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246907.851
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.70 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1 0.2 0.3 0.4 0.5		Topsoil - Silty CLAY, light brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B219_0.0-0.1 B219_0.3-0.4	No odours, staining or asbestos.
	0.6 0.7		Natural - Gravelly CLAY, red, heterogeneous, damp, medium plasticity, soft, inclusions of ironstone gravels (20%).	DP	B219_0.6-0.7	No odours, staining or asbestos.
	0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9		Termination Depth at: 0.70 m bgl			

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SOIL BOREHOLE B220

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293550.163
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246888.636
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1 0.2 0.3 0.4		Topsoil - Silty CLAY, light brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B220_0.0-0.1 B220_0.3-0.4	No odours, staining or asbestos. QA/QC01_20251112GB taken at 0.0-0.1.
	0.5		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, firm	DP	B220_0.4-0.5	No odours, staining or asbestos.
	0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9		Termination Depth at: 0.50 m bgl			

SOIL BOREHOLE B221

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293598.531
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246909.691
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.60 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1 0.2 0.3 0.4		Topsoil - Silty CLAY, light brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B221_0.0-0.1 B221_0.3-0.4	No odours, staining or asbestos.
	0.5 0.6		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, soft	DP	B221_0.5-0.6	No odours, staining or asbestos.
	0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9		Termination Depth at: 0.60 m bgl			

SOIL BOREHOLE B222

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293693.008
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246908.528
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1 0.2 0.3		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, medium plasticity, soft, inclusions of rootlets.	DR	B222_0.0-0.1	No odours, staining or asbestos.
	0.4 0.5		Natural - CLAY, orange, heterogeneous, dry, medium plasticity, soft	DR	B222_0.4-0.5	No odours, staining or asbestos.
	0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9		Termination Depth at: 0.50 m bgl			

SOIL BOREHOLE B224

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292733.996
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246957.274
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.60 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B224_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Clayey SILT, brown, heterogeneous, damp, non-plastic, soft	DP	B224_0.3-0.4	No odours, staining or asbestos.
	0.4		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, firm	DP		No odours, staining or asbestos.
	0.5				B224_0.5-0.6	
	0.6		Termination Depth at: 0.60 m bgl			
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B225

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292790.424
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246949.22
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.45 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets and ironstone.	DP	B225_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown, heterogeneous, damp, low plasticity, firm	DP	B225_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5		Termination Depth at: 0.45 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B226

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292912.304
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246929.41
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.30 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B226_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, brown, homogeneous, damp, low plasticity, firm	DP	B226_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B227

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292959.708
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246925.058
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity - non-plastic, soft, inclusions of roots, rootlets, and trace igneous gravels.	DR	B227_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, orange / brown, heterogeneous, dry, low plasticity, very stiff, inclusions of trace rootlets and fine igneous gravels.	DR		No odours, staining or asbestos.
	0.3				B227_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B228

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293016.136
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246917.004
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, firm - soft, inclusions of roots, rootlets, and trace igneous gravels.	DR	B228_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, orange / brown, heterogeneous, dry, low plasticity, very stiff, inclusions of trace rootlets and fine igneous gravels.	DR		No odours, staining or asbestos.
	0.3				B228_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B229

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293072.565
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246908.95
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.30 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light brown, heterogeneous, dry, low plasticity, soft, inclusions of trace roots, rootlets, and fine igneous gravels.	DR	B229_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, orange / brown, heterogeneous, dry, low plasticity - medium plasticity, stiff, inclusions of trace rootlets and fine igneous gravels.	DR	B229_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B230

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293128.993
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246900.896
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B230_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown, heterogeneous, damp, low plasticity, firm	DP	B230_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B231

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 11 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 293184.114
NORTHING 6246879.294
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.30 m bgl
LOGGED BY GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light brown, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B231_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, light brown, heterogeneous, damp, low plasticity, firm	DP	B231_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B232

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293255.32
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246868.632
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.30 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, grey, heterogeneous, damp, low plasticity, firm, inclusions of rootlets.	DP	B232_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, brown, homogeneous, damp, medium plasticity, firm	DP	B232_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B233

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293320.697
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246861.108
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light brown, heterogeneous, damp, non-plastic, soft, inclusions of rootlets.	DP	B233_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, firm	DP	B233_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B234

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293397.732
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246847.307
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1 0.2 0.3 0.4		Topsoil - Silty CLAY, light brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B234_0.0-0.1 B234_0.2-0.3	No odours, staining or asbestos.
	0.5		Natural - CLAY, dark brown, heterogeneous, damp, medium plasticity, soft	DP	B234_0.4-0.5	No odours, staining or asbestos.
	0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9		Termination Depth at: 0.50 m bgl			

SOIL BOREHOLE B235

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293461.878
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246844.769
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1 0.2 0.3 0.4		Topsoil - Silty CLAY, light brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B235_0.0-0.1 B235_0.2-0.3	No odours, staining or asbestos.
	0.5		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, soft	DP	B235_0.4-0.5	No odours, staining or asbestos.
	0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9		Termination Depth at: 0.50 m bgl			

SOIL BOREHOLE B237

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292725.942
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246900.846
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.30 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B237_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, brown, heterogeneous, damp, low plasticity, stiff	DP	B237_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B238

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292782.37
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246892.792
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B238_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, firm	DP		No odours, staining or asbestos.
	0.3				B238_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B239

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292838.798
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246884.738
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B239_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown, homogeneous, damp, low plasticity, firm	DP	B239_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B240

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292895.226
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246876.684
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, medium plasticity, soft, inclusions of rootlets and ironstone.	DR	B240_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown, homogeneous, damp, low plasticity, firm	DP	B240_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B241

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292951.654
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246868.63
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, soft, inclusions of roots, rootlets and igneous gravels.	DR	B241_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, orange / brown, heterogeneous, dry, low plasticity, very stiff, inclusions of trace rootlets and fine igneous gravels.	DR		No odours, staining or asbestos.
	0.3				B241_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B242

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293008.082
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246860.576
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, firm, inclusions of roots, rootlets, and trace igneous gravels.	DR	B242_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, orange / brown, heterogeneous, dry, low plasticity, very stiff, inclusions of trace rootlets and fine igneous gravels.	DR		No odours, staining or asbestos.
	0.3				B242_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B243

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293064.511
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246852.522
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, firm, inclusions of roots, rootlets, and trace igneous gravels.	DR	B243_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, orange / brown, heterogeneous, dry, low plasticity, very stiff, inclusions of trace rootlets and fine igneous gravels.	DR		No odours, staining or asbestos.
	0.3				B243_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B244

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293120.939
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246844.468
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.30 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light brown, heterogeneous, damp, non-plastic, soft, inclusions of rootlets.	DP	B244_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, light brown, heterogeneous, damp, low plasticity, firm	DP	B244_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B245

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293173.452
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246808.088
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.70 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, medium plasticity, soft, inclusions of rootlets, clay clumps, and ironstone.	DR	B245_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3				B245_0.2-0.3	
	0.4		Natural - CLAY, red / brown, homogeneous, damp, low plasticity, stiff, inclusions of ironstone and trace rootlets.	DP		No odours, staining or asbestos.
	0.5				B245_0.5-0.6	
	0.6					
	0.7					
	0.8		Termination Depth at: 0.70 m bgl			
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B246

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293244.658
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246797.426
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.65 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light grey, heterogeneous, dry, fine silt loose, inclusions of rootlets.	DR	B246_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown / light grey, homogeneous, dry, non-plastic, stiff	DR		No odours, staining or asbestos.
	0.4				B246_0.4-0.5	
	0.5					
	0.6					
	0.7		Termination Depth at: 0.65 m bgl			
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B247

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 11 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 293315.415
NORTHING 6246778.692
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.70 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light grey, heterogeneous, dry, fine silt loose, inclusions of rootlets.	DR	B247_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - Silty CLAY, light grey / brown, homogeneous, dry, non-plastic, stiff	DR		No odours, staining or asbestos.
	0.4				B247_0.4-0.5	
	0.5					
	0.6					
	0.7		Termination Depth at: 0.70 m bgl			
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B248

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293346.224
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246736.002
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.60 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** TL/GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, brown, heterogeneous, dry, soft, fine silt loose, inclusions of rootlets.	DR	B248_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - Clayey SILT, orange / brown, homogeneous, dry, non-plastic, stiff	DR	B248_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5					
	0.6		Termination Depth at: 0.60 m bgl			
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B249

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293418.856
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246823.045
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, light brown / light grey, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B249_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, firm	DP	B249_0.3-0.4	No odours, staining or asbestos.
	0.4				B249_0.4-0.5	
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B250

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292774.316
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246836.364
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1 0.2 0.3 0.4		Topsoil - Silty CLAY, brown, heterogeneous, dry, medium plasticity, soft, inclusions of rootlets and trace ironstone gravels.	DR	B250_0.0-0.1 B250_0.3-0.4	No odours, staining or asbestos.
	0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9		Natural - CLAY, brown / grey, homogeneous, damp, low plasticity, stiff ~~Termination Depth at: 0.40 m bgl~~	DP		No odours, staining or asbestos.

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SOIL BOREHOLE B251

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292830.744
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246828.31
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B251_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown, heterogeneous, damp, low plasticity, stiff	DP	B251_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B252

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292887.172
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246820.256
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, damp, medium plasticity, soft, inclusions of rootlets.	DP	B252_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, brown, heterogeneous, damp, medium plasticity, stiff	DP		No odours, staining or asbestos.
	0.3				B252_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B253

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292943.6
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246812.202
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1 0.2		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, stiff, inclusions of rootlets and trace gravels.	DP	B253_0.0-0.1	No odours, staining or asbestos.
	0.3 0.4		Natural - CLAY, red, homogeneous, damp, low plasticity, stiff, inclusions of ironstone gravels and trace rootlets.	DP	B253_0.4-0.5	No odours, staining or asbestos.
	0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9		Termination Depth at: 0.50 m bgl			

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SOIL BOREHOLE B254

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293000.028
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246804.148
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, stiff, inclusions of igneous gravels and rootlets.	DP	B254_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, red, homogeneous, damp, low plasticity, very stiff, inclusions of ironstone gravels.	DP		No odours, staining or asbestos.
	0.4				B254_0.4-0.5	
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B255

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293056.457
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246796.094
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, brown / light brown, heterogeneous, dry, low plasticity, soft, inclusions of roots, rootlets, and igneous gravels.	DR	B255_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - Silty CLAY, brown / orange, heterogeneous, dry, low plasticity - non-plastic, hard, inclusions of trace igneous gravels.	DR		No odours, staining or asbestos.
	0.3				B255_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B256

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293104.555
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246789.428
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.45 m bgl
DRILLING DATE 12 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, grey / light brown, heterogeneous, dry, soft, fine silt loose, inclusions of rootlets.	DR	B256_0.0-0.1	No odours, staining or asbestos. 20251112_QA/QC01TL taken at 0.0-0.1 mbgs.
	0.2					
	0.3		Natural - Silty CLAY, orange / brown, homogeneous, dry, low plasticity - non-plastic, stiff, inclusions of trace rootlets.	DR	B256_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5		Termination Depth at: 0.45 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B257

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292935.546
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246755.774
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets, ironstone gravels, and spiders.	DP	B257_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, red / brown, homogeneous, dry, low plasticity, stiff, inclusions of ironstone gravels.	DR		No odours, staining or asbestos.
	0.4				B257_0.4-0.5	
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B258

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292991.975
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246747.72
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft, inclusions of ironstone gravels and rootlets.	DR	B258_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, red / brown, homogeneous, dry, low plasticity, stiff, inclusions of igneous / ironstone gravels and trrace rootlets.	DR	B258_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B259

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293048.403
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246739.666
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity - non-plastic, soft, inclusions of roots, rootlets, and igneous gravels.	DR	B259_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, orange / brown, heterogeneous, dry, low plasticity, very stiff, inclusions of trace rootlets and fine igneous gravels.	DR		No odours, staining or asbestos.
	0.3				B259_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B260

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293104.831
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246731.612
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, soft, inclusions of rootlets and trace igneous gravels (<1%).	DR	B260_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, red / brown, homogeneous, dry, low plasticity, stiff, inclusions of igneous gravels.	DR	B260_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B261

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293162.789
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246736.882
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, soft, inclusions of rootlets and trace igneous gravels (<1%).	DR	B261_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, red / brown, homogeneous, dry, low plasticity, stiff, inclusions of igneous gravels.	DR	B261_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B262

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293233.995
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246726.219
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.70 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, grey / brown, heterogeneous, dry, low plasticity - medium plasticity inclusions of rootlets.	DR	B262_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - SILT, light brown, homogeneous, dry, soft, fine silt loose, inclusions of trace rootlets.	DR	B262_0.2-0.3	No odours, staining or asbestos.
	0.4		Natural - CLAY, orange, homogeneous, damp, low plasticity, stiff, inclusions of trace rootlets.	DP	B262_0.4-0.5	No odours, staining or asbestos.
	0.7		Termination Depth at: 0.70 m bgl			
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B263

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293305.202
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246715.557
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, grey / brown, heterogeneous, dry, low plasticity, soft, inclusions of rootlets.	DR	B263_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, orange / brown, homogeneous, dry, low plasticity, stiff, inclusions of trace rootlets.	DR		No odours, staining or asbestos.
	0.4				B263_0.4-0.5	
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B264

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293362.345
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246706.33
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.60 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, brown, heterogeneous, dry, soft, fine silt loose, inclusions of rootlets.	DR	B264_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - Clayey SILT, orange / brown, homogeneous, dry, non-plastic, very stiff	DR	B264_0.3-0.4	No odours, staining or asbestos.
	0.4					
	0.5					
	0.6		Termination Depth at: 0.60 m bgl			
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B265

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292927.492
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246699.345
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets amd ironstone gravels and cobbles.	DP	B265_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, red / brown, homogeneous, damp, low plasticity, stiff, inclusions of ironstone gravels.	DP		No odours, staining or asbestos.
	0.4				B265_0.4-0.5	
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B266

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292983.921
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246691.291
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1 0.2 0.3		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of ironstone gravels and rootlets.	DP	B266_0.0-0.1	No odours, staining or asbestos.
	0.4 0.5		Natural - CLAY, red, heterogeneous, dry, low plasticity, stiff	DR	B266_0.4-0.5	No odours, staining or asbestos.
	0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9		Termination Depth at: 0.50 m bgl			

SOIL BOREHOLE B267

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293040.349
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246683.238
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** AH

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity - non-plastic, firm, inclusions of roots, rootlets, and igneous gravels.	DR	B267_0.0-0.1	No odours, staining or asbestos. QA/QC10A taken at 0.0-0.1 mbgs.
	0.2		Natural - CLAY, orange / brown, homogeneous, dry, low plasticity, very stiff, inclusions of trace rootlets and fine gravels.	DR		No odours, staining or asbestos.
	0.3				B267_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B268

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 11 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 293096.777
NORTHING 6246675.184
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.60 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, grey, heterogeneous, dry, soft, fine silt loose, inclusions of rootlets.	DR	B268_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown / light grey, homogeneous, dry, low plasticity, stiff	DR		No odours, staining or asbestos.
	0.4				B268_0.4-0.5	
	0.5					
	0.6		Termination Depth at: 0.60 m bgl			
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B269

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293152.127
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246665.676
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.60 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, grey, heterogeneous, dry, soft, fine silt loose, inclusions of rootlets.	DR	B269_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - Silty CLAY, brown / light grey, homogeneous, damp, low plasticity, stiff	DP		No odours, staining or asbestos.
	0.4				B269_0.4-0.5	
	0.5					
	0.6		Termination Depth at: 0.60 m bgl			
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B270

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293223.333
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246655.013
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, grey / light brown, heterogeneous, dry, soft, fine silt loose, inclusions of rootlets.	DR	B270_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, brown, heterogeneous, dry, low plasticity, stiff	DR	B270_0.3-0.4	No odours, staining or asbestos. 20251111_QA/QC02TL taken at 0.0-0.1 mbgs.
	0.4					
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B271

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293294.539
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246644.351
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light grey, heterogeneous, dry, medium plasticity, soft	DR	B271_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, light brown, homogeneous, dry, medium plasticity, firm	DR	B271_0.3-0.4	No odours, staining or asbestos. QA/QC02_20251110GB taken at 0.0-0.1.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B272

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 10 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292919.438
NORTHING 6246642.917
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity - medium plasticity, soft, inclusions of rootlets and ironstone gravels.	DP	B272_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, red, homogeneous, damp, low plasticity, stiff, inclusions of trace rootlets and ironstone gravels.	DP		No odours, staining or asbestos. 20251110_QA/QC02TL taken at 0.0-0.1 mbgs.
	0.3				B272_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B273

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292975.867
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246634.863
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets and ironstone gravels.	DP	B273_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, red, homogeneous, dry, low plasticity - non-plastic, stiff, inclusions of trace rootlets and ironstone gravels.	DR		No odours, staining or asbestos.
	0.4				B273_0.4-0.5	
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B274

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 10 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 293032.295
NORTHING 6246626.809
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.50 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, grey / brown, heterogeneous, dry, low plasticity, soft, inclusions of rootlets and igneous / ironstone gravels.	DR	B274_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, red, homogeneous, dry, low plasticity, stiff, inclusions of igneous / ironstone gravels.	DR		No odours, staining or asbestos.
	0.3				B274_0.3-0.4	
	0.4					
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B275

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293088.723
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246618.755
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.60 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light grey, heterogeneous, dry, soft, fine silt loose, inclusions of rootlets.	DR	B275_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, light grey, homogeneous, dry, low plasticity, stiff fine silt loose	DR		No odours, staining or asbestos.
	0.4				B275_0.4-0.5	
	0.5					
	0.6		Termination Depth at: 0.60 m bgl			
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B276

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293141.464
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246594.469
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 11 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light grey, heterogeneous, dry, medium plasticity, soft, inclusions of rootlets.	DR	B276_0.0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, light grey, heterogeneous, damp, medium plasticity, firm	DP		No odours, staining or asbestos.
	0.4				B276_0.4-0.5	
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B277

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293202.889
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246585.357
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.30 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, light grey, heterogeneous, dry, low plasticity - medium plasticity, soft, inclusions of rootlets.	DR	B277_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, brown, homogeneous, damp, low plasticity, stiff	DP	B277_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B278

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292911.385
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246586.489
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of ironstone gravels /cobbles, and rootlets.	DP	B278_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, red, homogeneous, damp, low plasticity - non-plastic, stiff, inclusions of trace rootlets and ironstone gravels.	DP		No odours, staining or asbestos.
	0.3				B278_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B279

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292967.813
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246578.435
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1 0.2 0.3		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of ironstone gravels and rootlets.	DP	B279_0.0-0.1	No odours, staining or asbestos.
	0.4 0.5		Natural - CLAY, red, homogeneous, dry, low plasticity - non-plastic, stiff, inclusions of trace rootlets and ironstone gravels.	DR	B279_0.4-0.5	No odours, staining or asbestos.
	0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9		Termination Depth at: 0.50 m bgl			

SOIL BOREHOLE B280

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293024.241
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246570.381
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, grey / brown, heterogeneous, dry, medium plasticity, soft	DR	B280_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, red / orange, homogeneous, dry, low plasticity, stiff	DR		No odours, staining or asbestos.
	0.3				B280_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B281

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293078.789
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246562.267
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, grey / light brown, heterogeneous, dry, medium plasticity, soft, inclusions of rootlets.	DR	B281_0.0-0.1	No odours, staining or asbestos. 20251111_QA/QC01TL taken at 0.0-0.1 mbgs.
	0.2		Natural - CLAY, grey / light brown, heterogeneous, dry, low plasticity, firm	DR		No odours, staining or asbestos.
	0.3					
	0.4				B281_0.4-0.5	
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B282

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293130.802
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246523.263
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.30 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** GB

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, light brown / light grey, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	B282_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, brown, homogeneous, damp, low plasticity - non-plastic, stiff	DP	B282_0.2-0.3	No odours, staining or asbestos.
	0.3		Termination Depth at: 0.30 m bgl			
	0.4					
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B283

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292903.331
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246530.061
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, non-plastic inclusions of rootlets and ironstone gravels / cobbles.	DP	B283_0.0-0.1	No odours, staining or asbestos. 20251110_QA/QC01TL taken at 0.0-0.1 mbgs.
	0.2		Natural - CLAY, red, heterogeneous, damp, non-plastic inclusions of ironstone gravels / cobbles.	DP		No odours, staining or asbestos.
	0.3				B283_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B284

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 10 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 292959.759
NORTHING 6246522.007
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 1.30 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, brown, heterogeneous, dry, low plasticity, stiff, inclusions of rootlets.	DR	B284_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - Clayey SILT, light brown, heterogeneous, dry, low plasticity, soft, inclusions of rootlets.	DR	B284_0.2-0.3	No odours, staining or asbestos.
	0.3					
	0.4				B284_0.4-0.5	
	0.5					
	0.6					
	0.7					
	0.8					
	0.9		Natural - Silty CLAY, light brown / orange, heterogeneous, dry, low plasticity - non-plastic, stiff	DR	B284_0.9-1.0	No odours, staining or asbestos.
	1					
	1.1					
	1.2					
	1.3		Termination Depth at: 1.30 m bgl			
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B285

PROJECT NUMBER 70609
PROJECT NAME Bradfield Quarry Rehab-Remed
CLIENT Goodman
ADDRESS 235 Martin Road, Bradfield
DRILLING DATE 10 Nov 2025

DRILLING COMPANY N/A
DRILL RIG N/A
DRILLING METHOD Hand Auger
DIAMETER 80 mm

EASTING 293016.187
NORTHING 6246513.953
COORD SYS GDA2020_MGA_zone_56
TOTAL DEPTH 0.40 m bgl
LOGGED BY TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, grey / brown, heterogeneous, dry, low plasticity, soft, inclusions of rootlets, igneous gravels, and trace ironstone.	DR	B285_0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, orange / red, homogeneous, dry, low plasticity - non-plastic, stiff	DR		No odours, staining or asbestos.
	0.3				B285_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B286

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292895.277
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246473.633
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets and ironstone.	DP	B286_0-0.1	No odours, staining or asbestos.
	0.2		Natural - CLAY, red, homogeneous, damp, low plasticity - non-plastic, stiff, inclusions of ironstone gravels / cobbles.	DP		No odours, staining or asbestos.
	0.3				B286_0.3-0.4	
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B287

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 292951.705
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246465.579
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.40 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, low plasticity, soft, inclusions of rootlets and trace ironstone gravels.	DR	B287_0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, red, homogeneous, dry, low plasticity - non-plastic, firm	DR	B287_0.3-0.4	No odours, staining or asbestos.
	0.4		Termination Depth at: 0.40 m bgl			
	0.5					
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B288

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293008.133
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246457.525
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.60 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Silty CLAY, dark brown, heterogeneous, dry, non-plastic inclusions of rootlets.	DR	B288_0.0-0.1	No odours, staining or asbestos.
	0.2		Natural - SILT, light grey, heterogeneous, dry, soft, loose, inclusions of rootlets and clay clumps.	DR	B288_0.2-0.3	No odours, staining or asbestos.
	0.3		Natural - CLAY, orange, homogeneous, dry, medium plasticity, stiff	DR		No odours, staining or asbestos.
	0.4				B288_0.4-0.5	
	0.5					
	0.6		Termination Depth at: 0.60 m bgl			
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B289

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293048.934
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246462.719
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, ligt grey, heterogeneous, dry, non-plastic, soft, inclusions of rootlets.	DR	B289_0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, red, homogeneous, dry, non-plastic, stiff	DR		No odours, staining or asbestos.
	0.4				B289_0.4-0.5	
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE B290

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293111.172
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246453.102
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.50 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	Additional Observations
HA	0.1		Topsoil - Clayey SILT, ligt grey, heterogeneous, dry, non-plastic, soft	DR	B290_0-0.1	No odours, staining or asbestos.
	0.2					
	0.3		Natural - CLAY, red, homogeneous, dry, non-plastic, stiff	DR		No odours, staining or asbestos.
	0.4				B290_0.4-0.5	
	0.5		Termination Depth at: 0.50 m bgl			
	0.6					
	0.7					
	0.8					
	0.9					
	1					
	1.1					
	1.2					
	1.3					
	1.4					
	1.5					
	1.6					
	1.7					
	1.8					
	1.9					

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SOIL BOREHOLE DRUM

PROJECT NUMBER 70609	**DRILLING COMPANY** N/A	**EASTING** 293096.777
PROJECT NAME Bradfield Quarry Rehab-Remed	**DRILL RIG** N/A	**NORTHING** 6246691.291
CLIENT Goodman	**DRILLING METHOD** Hand Auger	**COORD SYS** GDA2020_MGA_zone_56
ADDRESS 235 Martin Road, Bradfield	**DIAMETER** 80 mm	**TOTAL DEPTH** 0.20 m bgl
DRILLING DATE 10 Nov 2025		**LOGGED BY** TL

COMMENTS

Drilling Method	Water (m bgl)	Depth (m bgl)	Graphic Log	Lithological Description	Moisture	Samples	PID	Additional Observations
HA		0.1		Natural - Silty CLAY, orange / brown, heterogeneous, damp, low plasticity, soft, inclusions of rootlets.	DP	DRUM_0.0-0.1		No odours, staining or asbestos.
		0.2		Termination Depth at: 0.20 m bgl				
		0.3						
		0.4						
		0.5						
		0.6						
		0.7						
		0.8						
		0.9						
		1						
		1.1						
		1.2						
		1.3						
		1.4						
		1.5						
		1.6						
		1.7						
		1.8						
		1.9						

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Appendix B Historic Analytical Summary Tables

Table A: Sampling Regime 1 - Chemical Analytical Results Summary
Project Number: 70609
Project Name: Bradfield Quarry, 235 Martin Road, Bradfield, NSW , Goodman

					Metals & Metalloids								TRHs (NEPC 2013)							BTEXN						
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene_VOC
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	2	0.4	1	1	1	0.1	1	1	20	50	100	100	50	20	50	0.1	0.1	0.1	0.1	0.2	0.3	0.5
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil	3,000	900	3,600	240,000	1,500	730	6,000	400,000														
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay, >=0m, <1m														310	NL	4	NL	NL			NL	NL
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand, >=0m, <1m														260	NL	3	NL	NL			230	NL
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind	160		310	85	1,800		55	110														370
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil											1,700	3,300		215	170	75	135	165			180	
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil											2,500	6,600		215	170	95	135	185			95	
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil									700	1,000	3,500	10,000										
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil									800	1,000	5,000	10,000										

Field ID	Soil Texture	Date	Lab Report Number																				
BH101 - 0-0.1	Coarse	29 May 2025	1227657	3.4	<0.4	16	37	18	<0.1	9.4	190	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH101 - 0.5-0.6	Fine	29 May 2025	1227657	15	<0.4	11	37	20	<0.1	24	92	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH102 - 0.5-0.6	Fine	29 May 2025	1227657	5.2	<0.4	13	39	16	<0.1	29	110	<20	590	660	<100	1,250	<20	590	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH102 - 1.5-1.6	Fine	29 May 2025	1227657	11	<0.4	14	36	15	<0.1	23	82	<20	160	210	<100	370	<20	160	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH103 - 0-0.1	Fine	29 May 2025	1227657	11	<0.4	14	44	19	<0.1	25	150	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH103 - 0.5-0.6	Fine	29 May 2025	1227657	17	<0.4	10	50	21	<0.1	27	100	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH104 - 0.15-0.25	Coarse	29 May 2025	1227657	<2	<0.4	<5	5.4	<5	<0.1	<5	5.6	<20	<50	420	110	530	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH104 - 0.5-0.6	Fine	29 May 2025	1227657	6.0	<0.4	13	33	11	<0.1	24	77	<20	110	11,000	2,400	13,510	<20	110	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH104 - 1.5-1.6	Fine	29 May 2025	1227657	14	<0.4	13	39	14	<0.1	31	95	<20	<50	3,800	850	4,650	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH104 - 7-7.1	Fine	29 May 2025	1227657	9.3	<0.4	20	51	21	<0.1	30	120	<20	<50	630	140	770	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH105 - 0.1-0.2	Fine	29 May 2025	1227657	5.3	<0.4	12	43	14	<0.1	19	66	<20	620	1,100	<100	1,720	<20	619.3	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	0.7
QC20250529_01 (duplicate of BH105-0.1-0.2)	Fine	29 May 2025	1227657	6.9	<0.4	18	67	18	<0.1	26	92	<20	460	880	<100	1,340	<20	459.2	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	0.8
QA20250529_01 (triplicate of BH105-0.1-0.2)	Fine	29 May 2025	382266	<4	<0.4	9	40	8	<0.1	9	37	<25	2,600	4,700	<100	7,300	<25	2,600	<0.2	<0.5	<1	<1	<2	<1	<1
BH105 - 1-1.1	Fine	29 May 2025	1227657	4.4	<0.4	13	39	18	<0.1	22	63	<20	260	760	170	1,190	<20	260	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH105 - 1.5-1.6	Fine	29 May 2025	1227657	4.4	<0.4	12	52	17	<0.1	20	78	<20	150	800	180	1,130	<20	150	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH105 - 2.9-3	Fine	29 May 2025	1227657	13	<0.4	14	40	18	<0.1	20	86	<20	110	820	210	1,140	<20	110	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH106 - 0.1-0.2	Fine	29 May 2025	1227657	7.4	<0.4	14	61	18	<0.1	26	91	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH106 - 0.5-0.6	Fine	29 May 2025	1227657	6.8	<0.4	28	40	23	<0.1	33	130	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH106 - 1-1.1	Fine	29 May 2025	1227657	9.6	<0.4	8.9	46	15	<0.1	20	95	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH107 - 0.2-0.3	Fine	29 May 2025	1227657	9.3	<0.4	17	53	17	<0.1	44	100	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH107 - 1.4-.1.5	Fine	29 May 2025	1227657	10	<0.4	12	41	17	<0.1	24	94	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH108 - 0.25 - 0.35	Fine	30 May 2025	1227657	6.5	<0.4	15	47	18	<0.1	22	87	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH108 - 1-1.1	Fine	30 May 2025	1227657	13	<0.4	11	43	14	<0.1	22	95	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH109 - 0.2-0.3	Fine	30 May 2025	1227657	7.7	<0.4	16	45	19	<0.1	29	96	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH109 - 1-1.1	Fine	30 May 2025	1227657	20	<0.4	15	59	22	<0.1	36	120	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH110 - 0.2-0.3	Fine	30 May 2025	1227657	5.7	<0.4	10	46	15	<0.1	21	65	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH110 - 0.5-0.6	Fine	30 May 2025	1227657	16	<0.4	18	64	20	<0.1	33	130	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH111 - 0.15-0.25	Fine	30 May 2025	1227657	9.8	<0.4	27	49	20	<0.1	28	97	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
QC20250530_01 (duplicate of BH111-0.15-0.25)	Fine	30 May 2025	1227657	24	<0.4	26	59	20	<0.1	31	110	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
QA20250530_01 (triplicate of BH111-0.15-0.25)	Fine	30 May 2025	382266	18	<0.4	8	45	16	<0.1	22	76	<25	<50	<100	<100	<50	<25	<50	<0.2	<0.5	<1	<1	<2	<1	<1
BH111 - 1.5-1.6	Fine	30 May 2025	1227657	19	<0.4	18	53	23	<0.1	76	210	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH112 - 0.2-0.3	Fine	30 May 2025	1227657	14	<0.4	14	43	16	<0.1	31	110	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH112 - 2-2.1	Fine	30 May 2025	1227657	4.6	<0.4	14	47	18	<0.1	38	120	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH113 - 0.15-0.25	Fine	30 May 2025	1227657	9.7	<0.4	19	52	20	<0.1	24	110	<20	71	6,200	1,300	7,571	<20	71	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH114 - 0.1-.0.2	Fine	30 May 2025	1227657	6.4	<0.4	17	51	16	<0.1	20	76	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
QC20250530_02 (duplicate of BH114-0.1-0.2)	Fine	30 May 2025	1227657	5.9	<0.4	12	38	15	<0.1	22	79	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
QA20250530_02 (triplicate of BH114-0.1-0.2)	Fine	30 May 2025	382266	5	<0.4	10	38	13	<0.1	16	59	<25	<50	<100	<100	<50	<25	<50	<0.2	<0.5	<1	<1	<2	<1	<1
BH114 - 1.5-1.6	Fine	30 May 2025	1227657	8.7	<0.4	11	27	9.9	<0.1	16	65	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH115 - 0.2-0.3	Fine	30 May 2025	1227657	4.3	<0.4	13	38	17	0.1	18	70	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH115 - 1-1.1	Fine	30 May 2025	1227657	15	<0.4	14	43	17	<0.1	29	110	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH116 - 0.2-0.3	Fine	30 May 2025	1227657	4.2	<0.4	8.4	32	9.7	<0.1	13	46	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH116 -2.5-2.6	Fine	29 May 2025	1227657	13	<0.4	18	35	15	<0.1	25	86	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH118 - 0.2-0.3	Fine	30 May 2025	1227657	8.5	<0.4	7.0	34	15	<0.1	19	67	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH118 - 0.5-0.6	Fine	30 May 2025	1227657	9.3	<0.4	16	36	15	<0.1	21	78	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP101 - 0-0.1	Fine	30 May 2025	1227657	17	<0.4	16	43	29	<0.1	29	180	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP102 - 0.5-0.6	Fine	30 May 2025	1227657	14	<0.4	33	22	28	<0.1	13	50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP104 - 0-0.1	Fine	30 May 2025	1227657	13	<0.4	29	22	30	<0.1	12	60	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP105 - 0.2-0.3	Fine	30 May 2025	1227657	8.0	<0.4	43	21	13	<0.1	40	72	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP106 - 0-0.1	Coarse	30 May 2025	1227657	4.3	<0.4	76	33	12	<0.1	99	270	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP107 - 0.2-0.3	Fine	30 May 2025	1227657	<2	<0.4	15	16	13	<0.1	15	70	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP108 - 0-0.1	Fine	30 May 2025	1227657	5.3	<0.4	6.4	23	17	<0.1	9.7	100	<20	<50	110	<100	110	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP109 - 0-0.1	Fine	30 May 2025	1227657	27	<0.4	35	16	32	<0.1	9.8	30	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP114 - 0.2-0.3	Fine	30 May 2025	1227657	12	<0.4	18	11	17	<0.1	6.5	21	<20	<50	<100	110	110	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP116 - 0.5-0.6	Fine	30 May 2025	1227657	9.7	<0.4	16	55	24	<0.1	29	110	<20	<50	330	<100	330	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP117 - 2.6-2.7	Fine	30 May 2025	1227657	8.7	<0.4	13	38	19	<0.1	31	100	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP118 - 1-1.1	Fine	02 Jun 2025	1227657	9.6	<0.4	12	56	21	<0.1	29	100	<20	<50	120	<100	120	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP119 - 2.5-2.6	Fine	02 Jun 2025	1227657	9.2	<0.4	9.3	34	15	<0.1	21	78	<20	<50	140	120	260	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP120 - 0.5-0.6	Fine	02 Jun 2025	1227657	9.2	<0.4	16	41	21	<0.1	28	88	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP121 - 2-2.1	Fine	02 Jun 2025	1227657	8.9	<0.4	15	50	41	<0.1	37	110	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP122 - 2-2.1	Fine	02 Jun 2025	1227657	9.6	<0.4	14	27	13	<0.1	6.4	41	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP124 - 0-0.1	Fine	02 Jun 2025	1227657	5.9	0.5	14	34	14	<0.1	21	300	<20	<50	180	<100	180	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
UT-01	Fine	02 Jun 2025	1227657	6.3	1.1	24	160	36	<0.1	27	2,500	<20	<50	160	<100	160	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5

Table A: Sampling Regime 1 - Chemical Analytical Results Summary
Project Number: 70609
Project Name: Bradfield Quarry, 235 Martin Road, Bradfield, NSW , Goodman

	PAH																				
	Acenaphthene	Acenaphthylene	Anthracene	Benz[a]anthracene	Benzo[a]pyrene	Benzo[a]pyrene TEQ calc (Zero)	Benzo[b+j]fluoranthene	Benzo[b+j+k]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.1	0.1	0.1	0.1	0.05	0.5	0.5	0.2	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil						40													4,000
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay, >=0m, <1m																			
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand, >=0m, <1m																			
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																370			
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil					1.4														
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil					1.4														
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																			
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil																			

Field ID	Soil Texture	Date																		
BH101 - 0-0.1	Coarse	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH101 - 0.5-0.6	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH102 - 0.5-0.6	Fine	29 May 2025	<0.5	<0.5	1.4	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.0	<0.5	2.4
BH102 - 1.5-1.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH103 - 0-0.1	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH103 - 0.5-0.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH104 - 0.15-0.25	Coarse	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH104 - 0.5-0.6	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH104 - 1.5-1.6	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH104 - 7-7.1	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH105 - 0.1-0.2	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	1.0	<0.5	1.6
QC20250529_01 (duplicate of BH105-0.1-0.2)	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	0.8	<0.5	1.3
QA20250529_01 (triplicate of BH105-0.1-0.2)	Fine	29 May 2025	<0.5	<0.5	0.2	<0.2	<0.05	<0.5	-	<0.2	<0.1	-	<0.2	<0.1	0.1	1.1	<0.1	<1	2.6	0.8	4.8
BH105 - 1-1.1	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	0.5
BH105 - 1.5-1.6	Fine	29 May 2025	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6
BH105 - 2.9-3	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH106 - 0.1-0.2	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH106 - 0.5-0.6	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH106 - 1-1.1	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH107 - 0.2-0.3	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH107 - 1.4-.1.5	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH108 - 0.25 - 0.35	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH108 - 1-1.1	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH109 - 0.2-0.3	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH109 - 1-1.1	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH110 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH110 - 0.5-0.6	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH111 - 0.15-0.25	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC20250530_01 (duplicate of BH111-0.15-0.25)	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QA20250530_01 (triplicate of BH111-0.15-0.25)	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.05	<0.5	-	<0.2	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05
BH111 - 1.5-1.6	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH112 - 0.2-0.3	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH112 - 2-2.1	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH113 - 0.15-0.25	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH114 - 0.1-.0.2	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC20250530_02 (duplicate of BH114-0.1-0.2)	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QA20250530_02 (triplicate of BH114-0.1-0.2)	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.05	<0.5	-	<0.2	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05
BH114 - 1.5-1.6	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH115 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH115 - 1-1.1	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH116 - 0.2-0.3	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH116 -2.5-2.6	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH118 - 0.2-0.3	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH118 - 0.5-0.6	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP101 - 0-0.1	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP102 - 0.5-0.6	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP104 - 0-0.1	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP105 - 0.2-0.3	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP106 - 0-0.1	Coarse	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP107 - 0.2-0.3	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP108 - 0-0.1	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP109 - 0-0.1	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP114 - 0.2-0.3	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP116 - 0.5-0.6	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP117 - 2.6-2.7	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP118 - 1-1.1	Fine	02 Jun 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP119 - 2.5-2.6	Fine	02 Jun 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP120 - 0.5-0.6	Fine	02 Jun 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP121 - 2-2.1	Fine	02 Jun 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP122 - 2-2.1	Fine	02 Jun 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP124 - 0-0.1	Fine	02 Jun 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
UT-01	Fine	02 Jun 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table A: Sampling Regime 1 - Chemical Analytical Results Summary
Project Number: 70609
Project Name: Bradfield Quarry, 235 Martin Road, Bradfield, NSW , Goodman

	Organochlorine Pesticides																												
	4,4-DDE	a-BHC	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	Chlordane	Chlordane (cis)	Chlordane (trans)	DDT	DDD	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor Epoxide	Hexachlorobenzene	Methoxychlor	Mirex	Toxaphene
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.5
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil								45	530					3,600				100			50		80	2,500	100	160
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay, >=0m, <1m																											
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand, >=0m, <1m																											
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind												640															
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																											
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil																											
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																											
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil																											

Field ID	Soil Texture	Date																											
BH101 - 0-0.1	Coarse	29 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH101 - 0.5-0.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH102 - 0.5-0.6	Fine	29 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH102 - 1.5-1.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH103 - 0-0.1	Fine	29 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH103 - 0.5-0.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH104 - 0.15-0.25	Coarse	29 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH104 - 0.5-0.6	Fine	29 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH104 - 1.5-1.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH104 - 7-7.1	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH105 - 0.1-0.2	Fine	29 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
QC20250529_01 (duplicate of BH105-0.1-0.2)	Fine	29 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
QA20250529_01 (triplicate of BH105-0.1-0.2)	Fine	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH105 - 1-1.1	Fine	29 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH105 - 1.5-1.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH105 - 2.9-3	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH106 - 0.1-0.2	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH106 - 0.5-0.6	Fine	29 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH106 - 1-1.1	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH107 - 0.2-0.3	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH107 - 1.4-.1.5	Fine	29 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH108 - 0.25 - 0.35	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH108 - 1-1.1	Fine	30 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH109 - 0.2-0.3	Fine	30 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH109 - 1-1.1	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH110 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH110 - 0.5-0.6	Fine	30 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH111 - 0.15-0.25	Fine	30 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
QC20250530_01 (duplicate of BH111-0.15-0.25)	Fine	30 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
QA20250530_01 (triplicate of BH111-0.15-0.25)	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH111 - 1.5-1.6	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH112 - 0.2-0.3	Fine	30 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH112 - 2-2.1	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH113 - 0.15-0.25	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH114 - 0.1-.0.2	Fine	30 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
QC20250530_02 (duplicate of BH114-0.1-0.2)	Fine	30 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
QA20250530_02 (triplicate of BH114-0.1-0.2)	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-
BH114 - 1.5-1.6	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH115 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH115 - 1-1.1	Fine	30 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH116 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH116 -2.5-2.6	Fine	29 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH118 - 0.2-0.3	Fine	30 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH118 - 0.5-0.6	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP101 - 0-0.1	Fine	30 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
TP102 - 0.5-0.6	Fine	30 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
TP104 - 0-0.1	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP105 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP106 - 0-0.1	Coarse	30 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
TP107 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP108 - 0-0.1	Fine	30 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
TP109 - 0-0.1	Fine	30 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.14	0.14	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
TP114 - 0.2-0.3	Fine	30 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
TP116 - 0.5-0.6	Fine	30 May 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
TP117 - 2.6-2.7	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP118 - 1-1.1	Fine	02 Jun 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
TP119 - 2.5-2.6	Fine	02 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP120 - 0.5-0.6	Fine	02 Jun 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
TP121 - 2-2.1	Fine	02 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP122 - 2-2.1	Fine	02 Jun 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
TP124 - 0-0.1	Fine	02 Jun 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
UT-01	Fine	02 Jun 2025	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5

Table A: Sampling Regime 1 - Chemical Analytical Results Summary
Project Number: 70609
Project Name: Bradfield Quarry, 235 Martin Road, Bradfield, NSW , Goodman

				Organophosphorus Pesticides																																			
				Azinophos methyl	Bolstar (Sulprofos)	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	EPN	Ethion	Ethoprop	Fenitrothion	Fensulfothion	Fenthion	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Phorate	Pirimiphos-methyl	Pyrazophos	Ronnel	Terbufos	Tetrachlorvinphos	Tokuthion	Trichloronate	Parathion
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				0.2	0.2	0.2	0.2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil							2,000																																
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay, >=0m, <1m																																							
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand, >=0m, <1m																																							
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																																							
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																																							
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil																																							
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																																							
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil																																							
Field ID	**Soil Texture**	**Date**																																					
BH101 - 0-0.1	Coarse	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH101 - 0.5-0.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH102 - 0.5-0.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH102 - 1.5-1.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH103 - 0-0.1	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH103 - 0.5-0.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH104 - 0.15-0.25	Coarse	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH104 - 0.5-0.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH104 - 1.5-1.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH104 - 7-7.1	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH105 - 0.1-0.2	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250529_01 (duplicate of BH105-0.1-0.2)	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250529_01 (triplicate of BH105-0.1-0.2)	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH105 - 1-1.1	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH105 - 1.5-1.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH105 - 2.9-3	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH106 - 0.1-0.2	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH106 - 0.5-0.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH106 - 1-1.1	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH107 - 0.2-0.3	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH107 - 1.4-.1.5	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH108 - 0.25 - 0.35	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH108 - 1-1.1	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH109 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH109 - 1-1.1	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH110 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH110 - 0.5-0.6	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH111 - 0.15-0.25	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250530_01 (duplicate of BH111-0.15-0.25)	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250530_01 (triplicate of BH111-0.15-0.25)	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH111 - 1.5-1.6	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH112 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH112 - 2-2.1	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH113 - 0.15-0.25	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH114 - 0.1-.0.2	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250530_02 (duplicate of BH114-0.1-0.2)	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250530_02 (triplicate of BH114-0.1-0.2)	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH114 - 1.5-1.6	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH115 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH115 - 1-1.1	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH116 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH116 -2.5-2.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH118 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH118 - 0.5-0.6	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP101 - 0-0.1	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP102 - 0.5-0.6	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP104 - 0-0.1	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP105 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP106 - 0-0.1	Coarse	30 May 2025	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP107 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP108 - 0-0.1	Fine	30 May 2025	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP109 - 0-0.1	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP114 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP116 - 0.5-0.6	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP117 - 2.6-2.7	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP118 - 1-1.1	Fine	02 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP119 - 2.5-2.6	Fine	02 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP120 - 0.5-0.6	Fine	02 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP121 - 2-2.1	Fine	02 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP122 - 2-2.1	Fine	02 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP124 - 0-0.1	Fine	02 Jun 2025	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
UT-01	Fine	02 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table A: Sampling Regime 1 - Chemical Analytical Results Summary
Project Number: 70609
Project Name: Bradfield Quarry, 235 Martin Road, Bradfield, NSW , Goodman

			Chlorinated Alkanes															Chlorinated Alkenes										Solvents
			1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Bromochloromethane	Carbon tetrachloride	Chloroethane	Chloromethane	Dichlorodifluoromethane	Dichloromethane	Trichlorofluoromethane	Vinyl Chloride	1,1-dichloroethene	3-chloropropene	4-chlorotoluene	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Trichloroethene	Acetone
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil																													
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay, >=0m, <1m																													
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand, >=0m, <1m																													
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																													
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																													
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil																													
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																													
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil																													
Field ID	**Soil Texture**	**Date**																											
BH101 - 0-0.1	Coarse	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH101 - 0.5-0.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH102 - 0.5-0.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH102 - 1.5-1.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH103 - 0-0.1	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH103 - 0.5-0.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH104 - 0.15-0.25	Coarse	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH104 - 0.5-0.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH104 - 1.5-1.6	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH104 - 7-7.1	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH105 - 0.1-0.2	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC20250529_01 (duplicate of BH105-0.1-0.2)	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250529_01 (triplicate of BH105-0.1-0.2)	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH105 - 1-1.1	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH105 - 1.5-1.6	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH105 - 2.9-3	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH106 - 0.1-0.2	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH106 - 0.5-0.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH106 - 1-1.1	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH107 - 0.2-0.3	Fine	29 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH107 - 1.4-.1.5	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH108 - 0.25 - 0.35	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH108 - 1-1.1	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH109 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH109 - 1-1.1	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH110 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH110 - 0.5-0.6	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH111 - 0.15-0.25	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250530_01 (duplicate of BH111-0.15-0.25)	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250530_01 (triplicate of BH111-0.15-0.25)	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH111 - 1.5-1.6	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH112 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH112 - 2-2.1	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH113 - 0.15-0.25	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH114 - 0.1-.0.2	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250530_02 (duplicate of BH114-0.1-0.2)	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250530_02 (triplicate of BH114-0.1-0.2)	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH114 - 1.5-1.6	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH115 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH115 - 1-1.1	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH116 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH116 -2.5-2.6	Fine	29 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH118 - 0.2-0.3	Fine	30 May 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH118 - 0.5-0.6	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP101 - 0-0.1	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP102 - 0.5-0.6	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP104 - 0-0.1	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP105 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP106 - 0-0.1	Coarse	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP107 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP108 - 0-0.1	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP109 - 0-0.1	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP114 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP116 - 0.5-0.6	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP117 - 2.6-2.7	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP118 - 1-1.1	Fine	02 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP119 - 2.5-2.6	Fine	02 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP120 - 0.5-0.6	Fine	02 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP121 - 2-2.1	Fine	02 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP122 - 2-2.1	Fine	02 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP124 - 0-0.1	Fine	02 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UT-01	Fine	02 Jun 2025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table A: Sampling Regime 1 - Chemical Analytical Results Summary
Project Number: 70609
Project Name: Bradfield Quarry, 235 Martin Road, Bradfield, NSW , Goodman

	Polychlorinated Biphenyls								MAH						Miscellaneous Hydrocarbons						Chlorinated Benzenes				Trihalomethanes				Organic Sulfur Compounds
	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Styrene	Total MAH	Bromobenzene	Isopropylbenzene	1,2-dibromoethane	Bromomethane	Dibromomethane	Iodomethane	4-Methyl-2-pentanone	Methyl Ethyl Ketone	1,2-Dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	Dibromochloromethane	Chloroform	Tribromomethane	Bromodichloromethane	Carbon disulfide
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NEPM 2013 Table 1A(1) HILs Comm/Ind D Soil								7																					
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay, >=0m, <1m																													
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Sand, >=0m, <1m																													
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																													
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Coarse Soil																													
NEPM 2013 Table 1B(6) ESLs for Comm/Ind, Fine Soil																													
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Coarse Soil																													
NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil																													

Field ID	Soil Texture	Date																												
BH101 - 0-0.1	Coarse	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH101 - 0.5-0.6	Fine	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH102 - 0.5-0.6	Fine	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH102 - 1.5-1.6	Fine	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH103 - 0-0.1	Fine	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH103 - 0.5-0.6	Fine	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH104 - 0.15-0.25	Coarse	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH104 - 0.5-0.6	Fine	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH104 - 1.5-1.6	Fine	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH104 - 7-7.1	Fine	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH105 - 0.1-0.2	Fine	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC20250529_01 (duplicate of BH105-0.1-0.2)	Fine	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250529_01 (triplicate of BH105-0.1-0.2)	Fine	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH105 - 1-1.1	Fine	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH105 - 1.5-1.6	Fine	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH105 - 2.9-3	Fine	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH106 - 0.1-0.2	Fine	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH106 - 0.5-0.6	Fine	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH106 - 1-1.1	Fine	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH107 - 0.2-0.3	Fine	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH107 - 1.4-.1.5	Fine	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH108 - 0.25 - 0.35	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH108 - 1-1.1	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH109 - 0.2-0.3	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH109 - 1-1.1	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH110 - 0.2-0.3	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH110 - 0.5-0.6	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH111 - 0.15-0.25	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250530_01 (duplicate of BH111-0.15-0.25)	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250530_01 (triplicate of BH111-0.15-0.25)	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH111 - 1.5-1.6	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH112 - 0.2-0.3	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH112 - 2-2.1	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH113 - 0.15-0.25	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH114 - 0.1-.0.2	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250530_02 (duplicate of BH114-0.1-0.2)	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250530_02 (triplicate of BH114-0.1-0.2)	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH114 - 1.5-1.6	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH115 - 0.2-0.3	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH115 - 1-1.1	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH116 - 0.2-0.3	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH116 -2.5-2.6	Fine	29 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH118 - 0.2-0.3	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH118 - 0.5-0.6	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP101 - 0-0.1	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP102 - 0.5-0.6	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP104 - 0-0.1	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP105 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP106 - 0-0.1	Coarse	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP107 - 0.2-0.3	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP108 - 0-0.1	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP109 - 0-0.1	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP114 - 0.2-0.3	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP116 - 0.5-0.6	Fine	30 May 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP117 - 2.6-2.7	Fine	30 May 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP118 - 1-1.1	Fine	02 Jun 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP119 - 2.5-2.6	Fine	02 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP120 - 0.5-0.6	Fine	02 Jun 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP121 - 2-2.1	Fine	02 Jun 2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP122 - 2-2.1	Fine	02 Jun 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP124 - 0-0.1	Fine	02 Jun 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UT-01	Fine	02 Jun 2025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table B: Sampling Regime 1 - Asbestos Analytical Results Summary
Project Number: 70609
Project Name: Bradfield Quarry, 235 Martin Road, Bradfield, NSW , Goodman

			Asbestos - Eurofins																Asbestos - Envirolab			
			Approximate Sample Mass	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass asbestos in AF	Mass Asbestos in FA & AF	ACM - Comment	FA- Comment	AF - Comment	Organic Fibres - Comment	Respirable Fibres - Comment	Synthetic Fibres - Comment	Asbestos Reported Result	Asbestos FA & AF in Soil	Asbestos ID in Soil	Total Asbestos	Asbestos (ACM >7mm) Estimation	Asbestos in soil (<2mm AF/FA) (%w/w)
			g	g	g	% (w/w)	g	g	g	g	g	Comment	Comment	Comment	Comment	Comment	Comment	Comment	% (w/w)	g/kg	g/kg	% (w/w)	% (w/w)
EQL																							
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil						0.05													0.001			0.05	0.001
Field ID	**Date**	**Lab Report Number**																					
BH101 - 0.2-1.2	29 May 2025	1227657	836	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
BH102 - 0-0.2	29 May 2025	1227657	674	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
BH103 - 0-0.3	29 May 2025	1227657	671	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
BH104 - 0.3-1.3	29 May 2025	1227657	673	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
BH104 - 0.15-0.3	29 May 2025	1227657	1,053	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
BH105 - 0.07-0.5	29 May 2025	1227657	679	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
AQQC20250529_01 (duplicate of BH105-0.07-0.5)	29 May 2025	1227657	647	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
AQQA20250529_01 (triplicate of BH105-0.07-0.5)	29 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	<0.1	<0.01	<0.001
BH106 - 0.3-0.8	29 May 2025	1227657	823	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
BH109 - 0.2-1.2	30 May 2025	1227657	763	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
BH110 - 0.2-0.7	30 May 2025	1227657	680	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	-	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
BH111 - 0.15-1.15	30 May 2025	1227657	697	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
AQQC20250530_01 (duplicate of BH111-0.15-1.15)	30 May 2025	1227657	489	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
AQQA20250530_01 (triplicate of BH111-0.15-1.15)	30 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	<0.1	<0.01	<0.001
BH112 - 0.2-1.2	30 May 2025	1227657	795	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Nil	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
BH113 - 0.15-0.4	30 May 2025	1227657	862	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Nil	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
BH114 - 0.1-1.1	30 May 2025	1227657	674	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
AQQC20250530_02 (duplicate of BH114-0.1-1.1)	30 May 2025	1227657	767	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
AQQA20250530_02 (triplicate of BH114-0.1-1.1)	30 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	<0.1	<0.01	<0.001
BH115 - 1.2-2	30 May 2025	1227657	677	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
BH116 - 0.2-1.2	30 May 2025	1227657	757	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
BH116 - 2.2-3.1	30 May 2025	1227657	738	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
BH118 - 0.2-0.6	30 May 2025	1227657	799	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
TP101 - 0-0.9	30 May 2025	1227657	640	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
TP102 - 0-0.7	30 May 2025	1227657	740	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
TP103 - 0-1	30 May 2025	1227657	672	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
TP104 - 0-0.5	30 May 2025	1227657	660	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
TP105 - 0-0.6	30 May 2025	1227657	892	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
TP106 - 0-0.1	30 May 2025	1227657	749	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
TP106 - 0.1-0.3	30 May 2025	1227657	654	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
TP108 - 0-0.5	30 May 2025	1227657	776	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
TP114 - 1-2	30 May 2025	1227657	788	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
TP115 - 0-1	30 May 2025	1227657	685	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
TP116 - 0-1	30 May 2025	1227657	763	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Man-made vitreous fibre detected.	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
TP116 - 2-2.7	30 May 2025	1227657	715	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
TP117 - 1-2	30 May 2025	1227657	662	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
TP117 - 2-2.7	30 May 2025	1227657	677	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
TP118 - 0-1	02 Jun 2025	1227657	574	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
TP118 - 2-2.4	02 Jun 2025	1227657	764	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
TP120 - 0-1	02 Jun 2025	1227657	632	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
TP120 - 1-2	02 Jun 2025	1227657	727	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
TP121 - 0-0.3	02 Jun 2025	1227657	690	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
TP122 - 0.5-1.5	02 Jun 2025	1227657	671	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
TP123 - 0-1	02 Jun 2025	1227657	739	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-
TP124 - 0-0.5	02 Jun 2025	1227657	710	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil	Organic fibres detected.	No trace asbestos detected.	Nil	No asbestos detected at the reporting limit of 0.001% w/w.	0.0000	-	-	-	-

Table C: Sampling Regime 1 - PFAS Analytical Results Summary
Project Number: 70609
Project Name: Bradfield Quarry , 235 Martin Road, Bradfield, NSW , Goodman

	PFAS																																				
	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (NMeFOSA)	N-Ethyl perfluorooctane sulfonamide (NEtFOSA)	N-Methylperfluorooctanesulfonamidoethanol (N-MeFOSE)	N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	N-methylperfluorooctane sulfonamidoacetic acid (NMeFOSAA)	N-ethyl-perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorobutanesulfonic acid (PFBS)	Perfluoropentanesulfonic acid (PFPeS)	Perfluorohexanesulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctanesulfonic acid (PFOS)	Perfluorodecanesulfonic acid (PFDS)	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2 FTSA)	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2 FTSA)	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2 FTSA)	1H,1H,2H,2H-perfluorododecanesulfonic acid (10:2 FTSA)	Sum of PFHxS and PFOS	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of WA DWER PFAS (n=10)*	Sum of PFAS	Perfluorononanesulfonic acid ion
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/KG	mg/kg	mg/kg
EQL	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.01	0.005	0.005	0.005
PFAS NEMP 3.0 (2025) HIL D - Commercial/Industrial					50																		20		20					20							
PFAS NEMP 3.0 (2025) Ecological Direct Exposure - all land uses					10																				1												
Field ID	**Date**	**Lab Report Number**																																				
BH102 - 0.5-0.6	29 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
BH104 - 0.15-0.25	29 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
BH105 - 0.1-0.2	29 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
QC20250529-P01 (duplicate of BH105-0.1-0.2)	29 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
QA20250529_P01 (triplicate of BH105-0.1-0.2)	29 May 2025	382266	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	<0.005	-
BH107 - 0.2-0.3	29 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
BH109 - 1-1.1	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
BH111 - 0.5-0.6	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
QC20250530-P01 (duplicate of BH111-0.5-0.6)	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
QA20250530_P01 (triplicate of BH111-0.5-0.6)	30 May 2025	382266	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	<0.005	-
BH114 - 1.5-1.6	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
BH116 - 1.5-1.6	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
BH118 - 0.2-0.3	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
SPRINKLER - 01	02 Jun 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
SPRINKLER - 02	02 Jun 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
TP101 - 0-0.1	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
TP105 - 0-0.1	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
TP106 - 0-0.1	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
TP108 - 0-0.1	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
TP109 - 0-0.1	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
TP116 - 0.5-0.6	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
TP118 - 1-1.1	02 Jun 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
TP120 - 0.5-0.6	02 Jun 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
TP124 - 0-0.1	02 Jun 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005

Table D: Groundwater Analytical Results Summary
Project Number: 68785
Project Name: Project Maverick , 235 Martin Road, Bradfield, NSW , Goodman

	Metals & Metalloids								TRHs (NEPC 2013)							BTEXN						
	Arsenic (filtered)	Cadmium (filtered)	Chromium (III+VI) (filtered)	Copper (filtered)	Lead (filtered)	Mercury (filtered)	Nickel (filtered)	Zinc (filtered)	C6-C10	C10-C16	C16-G34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene_VOC
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL	0.001	0.0001	0.001	0.001	0.001	0.00005	0.001	0.001	0.01	0.05	0.1	0.1	0.05	0.01	0.05	0.001	0.001	0.001	0.001	0.002	0.003	0.001
ADWG (2011) Health x 10 (Recreational) - Updated March-2021	0.1	0.02	0.5	20	0.1	0.01	0.2									0.01	8	3	6	6	6	
ANZG (2018) Freshwater 95% toxicant DGVs	0.013			0.0014		0.0006										0.95	0.18	0.08	0.35	0.075		0.016
Hardness / pH -modified Freshwater 95% toxicant DGVs (ANZG 2025)		0.0025	0.01		0.12		0.12	0.09														
ANZG (2018) Freshwater 99% toxicant DGVs	0.0008	0.00006	0.00001	0.001	0.001	0.00006	0.008	0.0024								0.6	0.11	0.05	0.2	0.05		0.0025
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Clay, >=2m, <8m																30						
PFAS NEMP 3.0 (2025) Recreational Water																						
PFAS NEMP 3.0 (2025) Freshwater 95% species protection																						
PFAS NEMP 3.0 (2025) Freshwater 99% species protection																						
Field ID	**Date**	**Lab Report Number**																				
MW01	02 Jun 2025	1227150	<0.001	<0.0002	<0.001	0.002	<0.001	<0.0001	0.002	<0.005	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
MW04	02 Jun 2025	1227150	<0.001	<0.0002	0.004	<0.001	<0.001	<0.0001	<0.001	<0.005	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
QC20250602_01 (duplicate of MW04)	02 Jun 2025	1227150	<0.001	<0.0002	0.004	<0.001	<0.001	<0.0001	<0.001	<0.005	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01
QA20250602_01 (triplicate of MW04)	02 Jun 2025	382266	<0.001	<0.0001	0.006	0.001	<0.001	<0.00005	0.002	0.002	<0.01	<0.05	<0.1	<0.1	<0.05	<0.01	<0.05	<0.001	<0.001	<0.001	<0.001	<0.002	-	<0.001
MW102	02 Jun 2025	1227150	0.002	<0.0002	<0.001	0.003	<0.001	<0.0001	0.001	0.014	<0.02	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.001	<0.001	<0.001	<0.001	<0.002	<0.003	<0.01

Table D: Groundwater Analytical Results Summary
Project Number: 68785
Project Name: Project Maverick , 235 Martin Road, Bradfield, NSW , Goodman

	Chlorinated Alkanes																		Chlorinated Alkenes											Solvents
	1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,2,3-trichloropropane	1,2-dibromo-3-chloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	2,2-dichloropropane	Bromochloromethane	Carbon tetrachloride	Chloroethane	Chloromethane	Dichlorodifluoromethane	Dichloromethane	Trichlorofluoromethane	Vinyl Chloride	1,1-dichloroethene	1,1-dichloropropene	2-chlorotoluene	3-chloropropene	4-chlorotoluene	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Trichloroethene	Acetone
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.005	0.005	0.005	0.005	0.005	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.005
ADWG (2011) Health x 10 (Recreational) - Updated March-2021								0.03					0.03				0.04		0.003	0.3					0.6		0.5	0.6			140
ANZG (2018) Freshwater 95% toxicant DGVs		0.27	0.4	6.5				1.9	0.9	1.1			0.24				4		0.1	0.7							0.07			0.33	
Hardness / pH -modified Freshwater 95% toxicant DGVs (ANZG 2025)																															
ANZG (2018) Freshwater 99% toxicant DGVs		0.13	0.2	5.4				1	0.6	0.7			0.15				3		0.07	0.5							0.04			0.22	
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Clay, >=2m, <8m																															
PFAS NEMP 3.0 (2025) Recreational Water																															
PFAS NEMP 3.0 (2025) Freshwater 95% species protection																															
PFAS NEMP 3.0 (2025) Freshwater 99% species protection																															

Field ID	Date	Lab Report Number																													
MW01	02 Jun 2025	1227150	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
MW04	02 Jun 2025	1227150	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
QC20250602_01 (duplicate of MW04)	02 Jun 2025	1227150	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005
QA20250602_01 (triplicate of MW04)	02 Jun 2025	382266	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-
MW102	02 Jun 2025	1227150	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005

Table D: Groundwater Analytical Results Summary
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Project Name: Project Maverick , 235 Martin Road, Bradfield, NSW , Goodman

				Polychlorinated Biphenyls							
				Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL				0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.001
ADWG (2011) Health x 10 (Recreational) - Updated March-2021											
ANZG (2018) Freshwater 95% toxicant DGVs							0.0006		0.00003		
Hardness / pH -modified Freshwater 95% toxicant DGVs (ANZG 2025)											
ANZG (2018) Freshwater 99% toxicant DGVs							0.0003		0.00001		
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Clay, >=2m, <8m											
PFAS NEMP 3.0 (2025) Recreational Water											
PFAS NEMP 3.0 (2025) Freshwater 95% species protection											
PFAS NEMP 3.0 (2025) Freshwater 99% species protection											
Field ID	**Date**	**Lab Report Number**									
MW01	02 Jun 2025	1227150		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW04	02 Jun 2025	1227150		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
QC20250602_01 (duplicate of MW04)	02 Jun 2025	1227150		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
QA20250602_01 (triplicate of MW04)	02 Jun 2025	382266		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	-
MW102	02 Jun 2025	1227150		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Table D: Groundwater Analytical Results Summary
Project Number: 68785
Project Name: Project Maverick , 235 Martin Road, Bradfield, NSW , Goodman

	PFAS																	
	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (NMeFOSA)	N-Ethyl perfluorooctane sulfonamide (NEtFOSA)	N-Methylperfluorooctanesulfonamidoethanol (N-MeFOSE)	N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	N-methylperfluorooctane sulfonamidoacetic acid (NMeFOSAA)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
EQL	0.002	0.001	0.0004	0.0004	0.0002	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.005	0.005	0.005	0.005	0.002	
ADWG (2011) Health x 10 (Recreational) - Updated March-2021					5.6													
ANZG (2018) Freshwater 95% toxicant DGVs																		
Hardness / pH -modified Freshwater 95% toxicant DGVs (ANZG 2025)																		
ANZG (2018) Freshwater 99% toxicant DGVs																		
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Clay, >=2m, <8m																		
PFAS NEMP 3.0 (2025) Recreational Water					10													
PFAS NEMP 3.0 (2025) Freshwater 95% species protection					220													
PFAS NEMP 3.0 (2025) Freshwater 99% species protection					19													
Field ID	**Date**	**Lab Report Number**																
MW01	02 Jun 2025	1227150	0.007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW04	02 Jun 2025	1227150	0.014	0.001	0.003	0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
QC20250602_01 (duplicate of MW04)	02 Jun 2025	1227150	0.015	0.002	0.003	0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
QA20250602_01 (triplicate of MW04)	02 Jun 2025	382266	0.02	<0.002	0.002	0.002	0.0028	<0.001	<0.002	<0.002	<0.005	<0.01	<0.05	<0.01	<0.05	<0.1	<0.05	<0.5	<0.002
MW102	02 Jun 2025	1227150	<0.005	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Table D: Groundwater Analytical Results Summary
Project Number: 68785
Project Name: Project Maverick , 235 Martin Road, Bradfield, NSW , Goodman

			PFAS																	
			N-ethyl-perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorobutanesulfonic acid (PFBS)	Perfluoropentanesulfonic acid (PFPeS)	Perfluorohexanesulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctanesulfonic acid (PFOS)	Perfluorodecanesulfonic acid (PFDS)	1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2 FTSA)	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2 FTSA)	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2 FTSA)	1H,1H,2H,2H-perfluorododecanesulfonic acid (10:2 FTSA)	Sum of PFHxS and PFOS	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of WA DWER PFAS (n=10)*	Sum of PFAS	Perfluorononanesulfonic acid ion
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ug/L	µg/L	µg/L
EQL			0.002	0.001	0.0004	0.001	0.0002	0.001	0.0001	0.001	0.001	0.0004	0.0004	0.001	0.0002	0.001	0.0002	0.005	0.0002	0.001
ADWG (2011) Health x 10 (Recreational) - Updated March-2021							0.7		0.7						0.7					
ANZG (2018) Freshwater 95% toxicant DGVs																				
Hardness / pH -modified Freshwater 95% toxicant DGVs (ANZG 2025)																				
ANZG (2018) Freshwater 99% toxicant DGVs																				
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Clay, >=2m, <8m																				
PFAS NEMP 3.0 (2025) Recreational Water							2		2						2					
PFAS NEMP 3.0 (2025) Freshwater 95% species protection									0.13											
PFAS NEMP 3.0 (2025) Freshwater 99% species protection									0.00023											
Field ID	**Date**	**Lab Report Number**																		
MW01	02 Jun 2025	1227150	<0.005	<0.001	0.001	<0.001	<0.001	<0.001	0.0013	<0.001	<0.001	<0.005	<0.001	<0.001	0.0013	0.0013	0.0013	0.0093	0.0093	<0.001
MW04	02 Jun 2025	1227150	<0.005	<0.001	0.001	<0.001	0.002	<0.001	0.001	<0.001	<0.001	<0.005	<0.001	<0.001	0.003	0.005	0.003	0.025	0.025	<0.001
QC20250602_01 (duplicate of MW04)	02 Jun 2025	1227150	<0.005	<0.001	0.001	<0.001	0.002	<0.001	0.0011	<0.001	<0.001	<0.005	<0.001	<0.001	0.0031	0.0061	0.0041	0.0281	0.0281	<0.001
QA20250602_01 (triplicate of MW04)	02 Jun 2025	382266	<0.002	-	0.002	<0.001	0.0022	<0.001	0.001	<0.002	<0.001	<0.0004	<0.0004	<0.002	0.0034	-	0.0040	-	0.028	-
MW102	02 Jun 2025	1227150	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	0.0001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.001

Table D: Groundwater Analytical Results Summary
Project Number: 68785
Project Name: Project Maverick , 235 Martin Road, Bradfield, NSW , Goodman

	MAH											Miscellaneous Hydrocarbons							Chlorinated Benzenes						Trihalomethanes			
	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene	Total MAH	Bromobenzene	Isopropylbenzene	1,2-dibromoethane	Bromomethane	Cyclohexane	Dibromomethane	Iodomethane	4-Methyl-2-pentanone	Methyl Ethyl Ketone	1,2,3-trichlorobenzene	1,2,4-trichlorobenzene	1,2-Dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	Dibromochloromethane	Chloroform	Tribromomethane	Bromodichloromethane
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	0.001	0.001	0.001	0.005	0.001	0.001	0.001	0.005	0.005	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
ADWG (2011) Health x 10 (Recreational) - Updated March-2021							0.3					0.01	0.01								15		0.4	3				
ANZG (2018) Freshwater 95% toxicant DGVs											0.03								0.01	0.17	0.16	0.26	0.06	0.055		0.77		
Hardness / pH -modified Freshwater 95% toxicant DGVs (ANZG 2025)																												
ANZG (2018) Freshwater 99% toxicant DGVs											0.02								0.003	0.085	0.12	0.16	0.04	0.005		0.37		
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Clay, >=2m, <8m																												
PFAS NEMP 3.0 (2025) Recreational Water																												
PFAS NEMP 3.0 (2025) Freshwater 95% species protection																												
PFAS NEMP 3.0 (2025) Freshwater 99% species protection																												

Field ID	Date	Lab Report Number																										
MW01	02 Jun 2025	1227150	<0.001	<0.001	-	-	-	-	<0.001	-	<0.003	<0.001	<0.001	<0.001	<0.005	-	<0.001	<0.001	<0.005	<0.005	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001
MW04	02 Jun 2025	1227150	<0.001	<0.001	-	-	-	-	<0.001	-	<0.003	<0.001	<0.001	<0.001	<0.005	-	<0.001	<0.001	<0.005	<0.005	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001
QC20250602_01 (duplicate of MW04)	02 Jun 2025	1227150	<0.001	<0.001	-	-	-	-	<0.001	-	<0.003	<0.001	<0.001	<0.001	<0.005	-	<0.001	<0.001	<0.005	<0.005	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001
QA20250602_01 (triplicate of MW04)	02 Jun 2025	382266	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	<0.001	<0.001	<0.01	<0.001	<0.001	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
MW102	02 Jun 2025	1227150	<0.001	<0.001	-	-	-	-	<0.001	-	<0.003	<0.001	<0.001	<0.001	<0.005	-	<0.001	<0.001	<0.005	<0.005	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001

Table D: Groundwater Analytical Results Summary
Project Number: 68785
Project Name: Project Maverick , 235 Martin Road, Bradfield, NSW , Goodman

	Organic Sulfur Compounds	Non-Metallic Inorganics		Major Cations								Major Anions					Ionic Balance					Inorganics	Chlorinated Hydrocarbons	Other
	Carbon disulfide	Ammonia as N	Nitrate (as N)	Calcium	Calcium (filtered)	Potassium	Potassium (filtered)	Magnesium	Magnesium (filtered)	Sodium	Sodium (filtered)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (Bicarbonate as CaCO3)	Chloride	Sulphate	Alkalinity (total) as CaCO3	Electrical Conductivity (Lab)	Hardness (filtered)	Ionic Balance	pH (Lab)	Electrical Conductivity (Non Compensated)	Hexachlorobutadiene	TDS
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µS/cm	mgCaCO3/L	%	pH Units	µS/cm	mg/L	mg/L
EQL	0.001	0.01	0.02	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5	5	5	1	1	5	10	3		0.1	1	0.001	5
ADWG (2011) Health x 10 (Recreational) - Updated March-2021			112.9													5,000							0.007	
ANZG (2018) Freshwater 95% toxicant DGVs																								
Hardness / pH -modified Freshwater 95% toxicant DGVs (ANZG 2025)		0.72	29																					
ANZG (2018) Freshwater 99% toxicant DGVs																								
NEPM 2013 Table 1A(4) Comm/Ind HSL D GW for Vapour Intrusion, Clay, >=2m, <8m																								
PFAS NEMP 3.0 (2025) Recreational Water																								
PFAS NEMP 3.0 (2025) Freshwater 95% species protection																								
PFAS NEMP 3.0 (2025) Freshwater 99% species protection																								
Field ID	**Date**	**Lab Report Number**																						
MW01	02 Jun 2025	1227150	<0.001	0.12	0.59	270	-	14	-	280	-	1,400	-	<20	-	560	3,200	170	-	10,000	-	-	6.8	-	-	6,400
MW04	02 Jun 2025	1227150	<0.001	0.19	4.1	200	-	16	-	190	-	960	-	<20	-	290	2,200	190	-	7,000	-	-	7.7	-	-	4,300
QC20250602_01 (duplicate of MW04)	02 Jun 2025	1227150	<0.001	0.19	2	180	-	16	-	190	-	950	-	<20	-	390	2,100	190	-	7,100	-	-	7.8	-	-	4,400
QA20250602_01 (triplicate of MW04)	02 Jun 2025	382266	-	-	-	-	220	-	17	-	180	-	920	<5	<5	190	1,700	220	190	-	1,300	7.0	7.8	6,400	<0.001	4,500
MW102	02 Jun 2025	1227150	<0.001	0.11	0.66	39	-	22	-	99	-	970	-	<20	-	1,500	770	230	-	5,100	-	-	7.6	-	-	3,000

Table E: Sampling Regime 1 - Oil Analytical Results Summary
Project Number: 70609
Project Name: Bradfield Quarry , 235 Martin Road, Bradfield, NSW , Goodman

			Polychlorinated Biphenyls						
			Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			1	1	1	1	1	1	1
Field ID	**Date**	**Lab Report Number**							
MW101	02 Jun 2025	382266	<1	<1	<1	<1	<1	<1	<1

ANALYTICAL SUMMARY TABLE
Project Number: 68785
Project Name: Project Maverick , 235 Martin Road, Bradfield, NSW , Goodman

			Metals & Metalloids									TPHs (NEPC 1999)					TRHs (NEPC 2013)							BTEXN						
			Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel		Zinc	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum of Total)	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene_VOC
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			2	0.4	1	1	1	0.1	1	0.01	1	20	20	50	50	50	20	50	100	100	50	20	50	0.1	0.1	0.1	0.1	0.2	0.3	0.5
NSW EPA (2014) General Solid Waste, CT1 (without TCLP)			100	20	100		100	4	40			650				10,000								10	288	600			1,000	
NSW EPA (2014) General Solid Waste, SCC1 (with TCLP)			500	100	1,900		1,500	50		1,050		650				10,000								18	518	1,080			1,800	
NSW EPA (2014) Restricted Solid Waste, CT2 (without TCLP)			400	80	400		400	16	160			2,600				40,000								40	1,152	2,400			4,000	
NSW EPA (2014) Restricted Solid Waste, SCC2 (with TCLP)			2,000	400	7,600		6,000	200		4,200		2,600				40,000								72	2,073	4,320			7,200	
Field ID	**Date**	**Lab Report Number**																												
BH101 - 0-0.1	29 May 2025	1227657	3.4	<0.4	16	37	18	<0.1	9.4	-	190	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH101 - 0.5-0.6	29 May 2025	1227657	15	<0.4	11	37	20	<0.1	24	-	92	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH102 - 0.5-0.6	29 May 2025	1227657	5.2	<0.4	13	39	16	<0.1	29	-	110	<20	240	980	<50	1,220	<20	590	660	<100	1,250	<20	590	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH102 - 1.5-1.6	29 May 2025	1227657	11	<0.4	14	36	15	<0.1	23	-	82	<20	64	300	<50	364	<20	160	210	<100	370	<20	160	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH103 - 0-0.1	29 May 2025	1227657	11	<0.4	14	44	19	<0.1	25	-	150	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH103 - 0.5-0.6	29 May 2025	1227657	17	<0.4	10	50	21	<0.1	27	-	100	<20	<20	71	<50	71	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH104 - 0.5-0.6	29 May 2025	1227657	6.0	<0.4	13	33	11	<0.1	24	-	77	<20	49	6,100	5,800	11,949	<20	110	11,000	2,400	13,510	<20	110	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH104 - 0.15-0.25	29 May 2025	1227657	<2	<0.4	<5	5.4	<5	<0.1	<5	-	5.6	<20	<20	200	270	470	<20	<50	420	110	530	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH104 - 1.5-1.6	29 May 2025	1227657	14	<0.4	13	39	14	<0.1	31	-	95	<20	<20	2,100	2,100	4,200	<20	<50	3,800	850	4,650	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH104 - 7-7.1	29 May 2025	1227657	9.3	<0.4	20	51	21	<0.1	30	-	120	<20	<20	360	330	690	<20	<50	630	140	770	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH105 - 0.1-0.2	29 May 2025	1227657	5.3	<0.4	12	43	14	<0.1	19	-	66	<20	240	1,500	<50	1,740	<20	620	1,100	<100	1,720	<20	619.3	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	0.7
BH105 - 1-1.1	29 May 2025	1227657	4.4	<0.4	13	39	18	<0.1	22	-	63	<20	140	640	320	1,100	<20	260	760	170	1,190	<20	260	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH105 - 1.5-1.6	29 May 2025	1227657	4.4	<0.4	12	52	17	<0.1	20	-	78	<20	66	560	390	1,016	<20	150	800	180	1,130	<20	150	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH105 - 2.9-3	29 May 2025	1227657	13	<0.4	14	40	18	<0.1	20	-	86	<20	41	510	460	1,011	<20	110	820	210	1,140	<20	110	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH106 - 0.1-0.2	29 May 2025	1227657	7.4	<0.4	14	61	18	<0.1	26	-	91	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH106 - 0.5-0.6	29 May 2025	1227657	6.8	<0.4	28	40	23	<0.1	33	-	130	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH106 - 1-1.1	29 May 2025	1227657	9.6	<0.4	8.9	46	15	<0.1	20	-	95	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH107 - 0.2-0.3	29 May 2025	1227657	9.3	<0.4	17	53	17	<0.1	44	0.05	100	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH107 - 1.4-.1.5	29 May 2025	1227657	10	<0.4	12	41	17	<0.1	24	-	94	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH108 - 0.25 - 0.35	30 May 2025	1227657	6.5	<0.4	15	47	18	<0.1	22	-	87	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH108 - 1-1.1	30 May 2025	1227657	13	<0.4	11	43	14	<0.1	22	-	95	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH109 - 0.2-0.3	30 May 2025	1227657	7.7	<0.4	16	45	19	<0.1	29	-	96	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH109 - 1-1.1	30 May 2025	1227657	20	<0.4	15	59	22	<0.1	36	-	120	<20	21	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH110 - 0.2-0.3	30 May 2025	1227657	5.7	<0.4	10	46	15	<0.1	21	-	65	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH110 - 0.5-0.6	30 May 2025	1227657	16	<0.4	18	64	20	<0.1	33	-	130	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH111 - 0.5-0.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH111 - 0.15-0.25	30 May 2025	1227657	9.8	<0.4	27	49	20	<0.1	28	-	97	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH111 - 1.5-1.6	30 May 2025	1227657	19	<0.4	18	53	23	<0.1	76	0.05	210	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH112 - 0.2-0.3	30 May 2025	1227657	14	<0.4	14	43	16	<0.1	31	-	110	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH112 - 2-2.1	30 May 2025	1227657	4.6	<0.4	14	47	18	<0.1	38	-	120	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH113 - 0.15-0.25	30 May 2025	1227657	9.7	<0.4	19	52	20	<0.1	24	-	110	<20	25	3,500	3,400	6,925	<20	71	6,200	1,300	7,571	<20	71	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH114 - 0.1-.0.2	30 May 2025	1227657	6.4	<0.4	17	51	16	<0.1	20	-	76	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH114 - 1.5-1.6	30 May 2025	1227657	8.7	<0.4	11	27	9.9	<0.1	16	-	65	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH115 - 0.2-0.3	30 May 2025	1227657	4.3	<0.4	13	38	17	0.1	18	-	70	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH115 - 1-1.1	30 May 2025	1227657	15	<0.4	14	43	17	<0.1	29	-	110	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH116 - 0.2-0.3	30 May 2025	1227657	4.2	<0.4	8.4	32	9.7	<0.1	13	-	46	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH116 - 1.5-1.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH116 -2.5-2.6	29 May 2025	1227657	13	<0.4	18	35	15	<0.1	25	-	86	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH118 - 0.2-0.3	30 May 2025	1227657	8.5	<0.4	7.0	34	15	<0.1	19	-	67	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
BH118 - 0.5-0.6	30 May 2025	1227657	9.3	<0.4	16	36	15	<0.1	21	-	78	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
QA20250529_01	29 May 2025	382266	<4	<0.4	9	40	8	<0.1	9	-	37	<25	890	6,500	150	7,500	<25	2,600	4,700	<100	7,300	<25	2,600	<0.2	<0.5	<1	<1	<2	<1	<1
QA20250529_P01	29 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250530_01	30 May 2025	382266	18	<0.4	8	45	16	<0.1	22	-	76	<25	<50	<100	<100	<50	<25	<50	<100	<100	<50	<25	<50	<0.2	<0.5	<1	<1	<2	<1	<1
QA20250530_02	30 May 2025	382266	5	<0.4	10	38	13	<0.1	16	-	59	<25	<50	<100	<100	<50	<25	<50	<100	<100	<50	<25	<50	<0.2	<0.5	<1	<1	<2	<1	<1
QA20250530_P01	30 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250529_01	29 May 2025	1227657	6.9	<0.4	18	67	18	<0.1	26	-	92	<20	190	1,100	<50	1,290	<20	460	880	<100	1,340	<20	459.2	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	0.8
QC20250529-P01	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250530_01	30 May 2025	1227657	24	<0.4	26	59	20	<0.1	31	-	110	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
QC20250530_02	30 May 2025	1227657	5.9	<0.4	12	38	15	<0.1	22	-	79	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
QC20250530-P01	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPRINKLER - 01	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPRINKLER - 02	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP101 - 0-0.1	30 May 2025	1227657	17	<0.4	16	43	29	<0.1	29	-	180	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP102 - 0.5-0.6	30 May 2025	1227657	14	<0.4	33	22	28	<0.1	13	-	50	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP104 - 0-0.1	30 May 2025	1227657	13	<0.4	29	22	30	<0.1	12	-	60	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP105 - 0-0.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP105 - 0.2-0.3	30 May 2025	1227657	8.0	<0.4	43	21	13	<0.1	40	-	72	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP106 - 0-0.1	30 May 2025	1227657	4.3	<0.4	76	33	12	<0.1	99	0.06	270	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP107 - 0.2-0.3	30 May 2025	1227657	<2	<0.4	15	16	13	<0.1	15	-	70	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP108 - 0-0.1	30 May 2025	1227657	5.3	<0.4	6.4	23	17	<0.1	9.7	-	100	<20	<20	55	80	135	<20	<50	110	<100	110	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP109 - 0-0.1	30 May 2025	1227657	27	<0.4	35	16	32	<0.1	9.8	-	30	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP114 - 0.2-0.3	30 May 2025	1227657	12	<0.4	18	11	17	<0.1	6.5	-	21	<20	<20	<50	<50	<50	<20	<50	<100	110	110	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP116 - 0.5-0.6	30 May 2025	1227657	9.7	<0.4	16	55	24	<0.1	29	-	110	<20	37	200	170	407	<20	<50	330	<100	330	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP117 - 2.6-2.7	30 May 2025	1227657	8.7	<0.4	13	38	19	<0.1	31	-	100	<20	<20	<50	58	58	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP118 - 1-1.1	02 Jun 2025	1227657	9.6	<0.4	12	56	21	<0.1	29	-	100	<20	<20	55	82	137	<20	<50	120	<100	120	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP119 - 2.5-2.6	02 Jun 2025	1227657	9.2	<0.4	9.3	34	15	<0.1	21	-	78	<20	<20	65	110	175	<20	<50	140	120	260	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP120 - 0.5-0.6	02 Jun 2025	1227657	9.2	<0.4	16	41	21	<0.1	28	-	88	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP121 - 2-2.1	02 Jun 2025	1227657	8.9	<0.4	15	50	41	<0.1	37	-	110	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP122 - 2-2.1	02 Jun 2025	1227657	9.6	<0.4	14	27	13	<0.1	6.4	-	41	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
TP124 - 0-0.1	02 Jun 2025	1227657	5.9	0.5	14	34	14	<0.1	21	-	300	<20	<20	120	87	207	<20	<50	180	<100	180	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5
UT-01	02 Jun 2025	1227657	6.3	1.1	24	160	36	<0.1	27	-	2,500	<20	<20	88	100	188	<20	<50	160	<100	160	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	<0.5

ANALYTICAL SUMMARY TABLE
Project Number: 68785
Project Name: Project Maverick , 235 Martin Road, Bradfield, NSW , Goodman

			PAH																				
			Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(b+j)fluoranthene	Benzo(b+j+k)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.1	0.1	0.1	0.1	0.05	0.5	0.5	0.5	0.5	0.2	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05
NSW EPA (2014) General Solid Waste, CT1 (without TCLP)							0.8																200
NSW EPA (2014) General Solid Waste, SCC1 (with TCLP)							10																200
NSW EPA (2014) Restricted Solid Waste, CT2 (without TCLP)							3.2																800
NSW EPA (2014) Restricted Solid Waste, SCC2 (with TCLP)							23																800
Field ID	**Date**	**Lab Report Number**																					
BH101 - 0-0.1	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH101 - 0.5-0.6	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH102 - 0.5-0.6	29 May 2025	1227657	<0.5	<0.5	1.4	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.0	<0.5	2.4
BH102 - 1.5-1.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH103 - 0-0.1	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH103 - 0.5-0.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH104 - 0.5-0.6	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH104 - 0.15-0.25	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH104 - 1.5-1.6	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH104 - 7-7.1	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH105 - 0.1-0.2	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	1.0	<0.5	1.6
BH105 - 1-1.1	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	0.5
BH105 - 1.5-1.6	29 May 2025	1227657	<0.5	<0.5	0.6	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6
BH105 - 2.9-3	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH106 - 0.1-0.2	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH106 - 0.5-0.6	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH106 - 1-1.1	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH107 - 0.2-0.3	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH107 - 1.4-.1.5	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH108 - 0.25 - 0.35	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH108 - 1-1.1	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH109 - 0.2-0.3	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH109 - 1-1.1	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH110 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH110 - 0.5-0.6	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH111 - 0.5-0.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH111 - 0.15-0.25	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH111 - 1.5-1.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH112 - 0.2-0.3	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH112 - 2-2.1	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH113 - 0.15-0.25	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH114 - 0.1-.0.2	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH114 - 1.5-1.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH115 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH115 - 1-1.1	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH116 - 0.2-0.3	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH116 - 1.5-1.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH116 -2.5-2.6	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH118 - 0.2-0.3	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH118 - 0.5-0.6	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QA20250529_01	29 May 2025	382266	<0.5	<0.5	0.2	<0.2	<0.05	<0.5	<0.5	<0.5	-	<0.2	<0.1	-	<0.2	<0.1	0.1	1.1	<0.1	<1	2.6	0.8	4.8
QA20250529_P01	29 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250530_01	30 May 2025	382266	<0.1	<0.1	<0.1	<0.1	<0.05	<0.5	<0.5	<0.5	-	<0.2	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05
QA20250530_02	30 May 2025	382266	<0.1	<0.1	<0.1	<0.1	<0.05	<0.5	<0.5	<0.5	-	<0.2	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05
QA20250530_P01	30 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250529_01	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	0.8	<0.5	1.3
QC20250529-P01	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250530_01	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC20250530_02	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC20250530-P01	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPRINKLER - 01	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPRINKLER - 02	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP101 - 0-0.1	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP102 - 0.5-0.6	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP104 - 0-0.1	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP105 - 0-0.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP105 - 0.2-0.3	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP106 - 0-0.1	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP107 - 0.2-0.3	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP108 - 0-0.1	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP109 - 0-0.1	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP114 - 0.2-0.3	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP116 - 0.5-0.6	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP117 - 2.6-2.7	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP118 - 1-1.1	02 Jun 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP119 - 2.5-2.6	02 Jun 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP120 - 0.5-0.6	02 Jun 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP121 - 2-2.1	02 Jun 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP122 - 2-2.1	02 Jun 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TP124 - 0-0.1	02 Jun 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
UT-01	02 Jun 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

ANALYTICAL SUMMARY TABLE
Project Number: 68785
Project Name: Project Maverick , 235 Martin Road, Bradfield, NSW , Goodman

			Organochlorine Pesticides																										
			4,4-DDE	a-BHC	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	Chlordane	Chlordane (cis)	Chlordane (trans)	DDT	DDD	DDT+DDE+DDD	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor Epoxide	Hexachlorobenzene	Methoxychlor	Mirex	Toxaphene
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.5
NSW EPA (2014) General Solid Waste, CT1 (without TCLP)																													
NSW EPA (2014) General Solid Waste, SCC1 (with TCLP)																													
NSW EPA (2014) Restricted Solid Waste, CT2 (without TCLP)																													
NSW EPA (2014) Restricted Solid Waste, SCC2 (with TCLP)																													
Field ID	**Date**	**Lab Report Number**																											
BH101 - 0-0.1	29 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH101 - 0.5-0.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH102 - 0.5-0.6	29 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH102 - 1.5-1.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH103 - 0-0.1	29 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH103 - 0.5-0.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH104 - 0.5-0.6	29 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH104 - 0.15-0.25	29 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH104 - 1.5-1.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH104 - 7-7.1	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH105 - 0.1-0.2	29 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH105 - 1-1.1	29 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH105 - 1.5-1.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH105 - 2.9-3	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH106 - 0.1-0.2	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH106 - 0.5-0.6	29 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH106 - 1-1.1	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH107 - 0.2-0.3	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH107 - 1.4-.1.5	29 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH108 - 0.25 - 0.35	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH108 - 1-1.1	30 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH109 - 0.2-0.3	30 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH109 - 1-1.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH110 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH110 - 0.5-0.6	30 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH111 - 0.5-0.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH111 - 0.15-0.25	30 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH111 - 1.5-1.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH112 - 0.2-0.3	30 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH112 - 2-2.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH113 - 0.15-0.25	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH114 - 0.1-.0.2	30 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH114 - 1.5-1.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH115 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH115 - 1-1.1	30 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH116 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH116 - 1.5-1.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH116 -2.5-2.6	29 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH118 - 0.2-0.3	30 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
BH118 - 0.5-0.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250529_01	29 May 2025	382266	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	-
QA20250529_P01	29 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250530_01	30 May 2025	382266	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	-
QA20250530_02	30 May 2025	382266	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	<0.1	<0.1	<0.1	<0.1	<0.1	-
QA20250530_P01	30 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250529_01	29 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
QC20250529-P01	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250530_01	30 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
QC20250530_02	30 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
QC20250530-P01	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPRINKLER - 01	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPRINKLER - 02	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP101 - 0-0.1	30 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
TP102 - 0.5-0.6	30 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
TP104 - 0-0.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP105 - 0-0.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP105 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP106 - 0-0.1	30 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
TP107 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP108 - 0-0.1	30 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
TP109 - 0-0.1	30 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.14	0.14	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
TP114 - 0.2-0.3	30 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
TP116 - 0.5-0.6	30 May 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
TP117 - 2.6-2.7	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP118 - 1-1.1	02 Jun 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
TP119 - 2.5-2.6	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP120 - 0.5-0.6	02 Jun 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
TP121 - 2-2.1	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP122 - 2-2.1	02 Jun 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
TP124 - 0-0.1	02 Jun 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5
UT-01	02 Jun 2025	1227657	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.5

ANALYTICAL SUMMARY TABLE
Project Number: 68785
Project Name: Project Maverick , 235 Martin Road, Bradfield, NSW , Goodman

JBS&G

			Organophosphorus Pesticides																																				
			Azinophos methyl	Bolstar (Sulprofos)	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	EPN	Ethion	Ethoprop	Fenitrothion	Fensulfothion	Fenthion	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Phorate	Pirimiphos-methyl	Pyrazophos	Ronnel	Terbufos	Tetrachlorvinphos	Tokuthion	Trichloronate	Parathion
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.2	0.2	0.2	0.2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
NSW EPA (2014) General Solid Waste, CT1 (without TCLP)						4																																	
NSW EPA (2014) General Solid Waste, SCC1 (with TCLP)						7.5																																	
NSW EPA (2014) Restricted Solid Waste, CT2 (without TCLP)						16																																	
NSW EPA (2014) Restricted Solid Waste, SCC2 (with TCLP)						30																																	
Field ID	**Date**	**Lab Report Number**																																					
BH101 - 0-0.1	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH101 - 0.5-0.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH102 - 0.5-0.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH102 - 1.5-1.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH103 - 0-0.1	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH103 - 0.5-0.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH104 - 0.5-0.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH104 - 0.15-0.25	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH104 - 1.5-1.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH104 - 7-7.1	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH105 - 0.1-0.2	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH105 - 1-1.1	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH105 - 1.5-1.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH105 - 2.9-3	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH106 - 0.1-0.2	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH106 - 0.5-0.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH106 - 1-1.1	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH107 - 0.2-0.3	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH107 - 1.4-.1.5	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH108 - 0.25 - 0.35	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH108 - 1-1.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH109 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH109 - 1-1.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH110 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH110 - 0.5-0.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH111 - 0.5-0.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH111 - 0.15-0.25	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH111 - 1.5-1.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH112 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH112 - 2-2.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH113 - 0.15-0.25	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH114 - 0.1-.0.2	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH114 - 1.5-1.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH115 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH115 - 1-1.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH116 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH116 - 1.5-1.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH116 -2.5-2.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH118 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH118 - 0.5-0.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250529_01	29 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250529_P01	29 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250530_01	30 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250530_02	30 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250530_P01	30 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250529_01	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250529-P01	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250530_01	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250530_02	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250530-P01	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPRINKLER - 01	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPRINKLER - 02	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP101 - 0-0.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP102 - 0.5-0.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP104 - 0-0.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP105 - 0-0.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP105 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP106 - 0-0.1	30 May 2025	1227657	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP107 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP108 - 0-0.1	30 May 2025	1227657	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TP109 - 0-0.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP114 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP116 - 0.5-0.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP117 - 2.6-2.7	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP118 - 1-1.1	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP119 - 2.5-2.6	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP120 - 0.5-0.6	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP121 - 2-2.1	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP122 - 2-2.1	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP124 - 0-0.1	02 Jun 2025	1227657	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
UT-01	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ANALYTICAL SUMMARY TABLE
Project Number: 68785
Project Name: Project Maverick , 235 Martin Road, Bradfield, NSW , Goodman

			Chlorinated Alkanes															Chlorinated Alkenes										Solvents	Polychlorinated Biphenyls								
			1,1,1,2-tetrachloroethane	1,1,1-trichloroethane	1,1,2,2-tetrachloroethane	1,1,2-trichloroethane	1,1-dichloroethane	1,2,3-trichloropropane	1,2-dichloroethane	1,2-dichloropropane	1,3-dichloropropane	Bromochloromethane	Carbon tetrachloride	Chloroethane	Chloromethane	Dichlorodifluoromethane	Dichloromethane	Trichlorofluoromethane	1,1-dichloroethene	3-chloropropene	4-chlorotoluene	cis-1,2-dichloroethene	cis-1,3-dichloropropene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	Trichloroethene	Vinyl Chloride	Acetone	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
NSW EPA (2014) General Solid Waste, CT1 (without TCLP)			200	600	26	24			10				10				172		14					14			10	4									50
NSW EPA (2014) General Solid Waste, SCC1 (with TCLP)			360	1,080	46.8	43.2			18				18				310		25					25.2			18	7.2									50
NSW EPA (2014) Restricted Solid Waste, CT2 (without TCLP)			800	2,400	104	96			40				40				688		56					56			40	16									50
NSW EPA (2014) Restricted Solid Waste, SCC2 (with TCLP)			1,440	4,320	187.2	172.8			72				72				1,240		100					100.8			72	28.8									50
Field ID	**Date**	**Lab Report Number**																																			
BH101 - 0-0.1	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH101 - 0.5-0.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH102 - 0.5-0.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH102 - 1.5-1.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH103 - 0-0.1	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH103 - 0.5-0.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH104 - 0.5-0.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH104 - 0.15-0.25	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH104 - 1.5-1.6	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH104 - 7-7.1	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH105 - 0.1-0.2	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH105 - 1-1.1	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH105 - 1.5-1.6	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH105 - 2.9-3	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH106 - 0.1-0.2	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH106 - 0.5-0.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH106 - 1-1.1	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH107 - 0.2-0.3	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH107 - 1.4-.1.5	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH108 - 0.25 - 0.35	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH108 - 1-1.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH109 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH109 - 1-1.1	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH110 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH110 - 0.5-0.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH111 - 0.5-0.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH111 - 0.15-0.25	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH111 - 1.5-1.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH112 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH112 - 2-2.1	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH113 - 0.15-0.25	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH114 - 0.1-.0.2	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH114 - 1.5-1.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH115 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH115 - 1-1.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH116 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH116 - 1.5-1.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH116 -2.5-2.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH118 - 0.2-0.3	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
BH118 - 0.5-0.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
QA20250529_01	29 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
QA20250529_P01	29 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250530_01	30 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
QA20250530_02	30 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
QA20250530_P01	30 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250529_01	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
QC20250529-P01	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250530_01	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
QC20250530_02	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
QC20250530-P01	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPRINKLER - 01	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPRINKLER - 02	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP101 - 0-0.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP102 - 0.5-0.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP104 - 0-0.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP105 - 0-0.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP105 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP106 - 0-0.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP107 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP108 - 0-0.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP109 - 0-0.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP114 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP116 - 0.5-0.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP117 - 2.6-2.7	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP118 - 1-1.1	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP119 - 2.5-2.6	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP120 - 0.5-0.6	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP121 - 2-2.1	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP122 - 2-2.1	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
TP124 - 0-0.1	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
UT-01	02 Jun 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

ANALYTICAL SUMMARY TABLE
Project Number: 68785
Project Name: Project Maverick , 235 Martin Road, Bradfield, NSW , Goodman

JBS&G

			PFAS																																			
			Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (NMeFOSA)	N-Ethyl perfluorooctane sulfonamide (NEtFOSA)	N-Methylperfluorooctanesulfonamidoethanol (N-MeFOSE)	N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	N-methylperfluorooctane sulfonamidoacetic acid (NMeFOSAA)	N-ethyl-perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorobutanesulfonic acid (PFBS)	Perfluoropentanesulfonic acid (PFPeS)	Perfluorohexanesulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctanesulfonic acid (PFOS)	Perfluorodecanesulfonic acid (PFDS)	1H ,1H ,2H ,2H-perfluorohexanesulfonic acid (4:2 FTSA)	1H ,1H ,2H ,2H-perfluorooctanesulfonic acid (6:2 FTSA)	1H ,1H ,2H ,2H-perfluorodecanesulfonic acid (8:2 FTSA)	1H ,1H ,2H ,2H-perfluorododecanesulfonic acid (10:2 FTSA)	Sum of PFHxS and PFOS	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of WA DWER PFAS (n=10)*	Sum of PFAS	Perfluorononanesulfonic acid ion
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/KG	mg/kg	mg/kg
EQL			0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.01	0.005	0.005
NSW EPA (2014) General Solid Waste, CT1 (without TCLP)																																						
NSW EPA (2014) General Solid Waste, SCC1 (with TCLP)							18																											1.8				
NSW EPA (2014) Restricted Solid Waste, CT2 (without TCLP)																																						
NSW EPA (2014) Restricted Solid Waste, SCC2 (with TCLP)							72																											7.2				
Field ID	**Date**	**Lab Report Number**																																				
BH101 - 0-0.1	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH101 - 0.5-0.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH102 - 0.5-0.6	29 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
BH102 - 1.5-1.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH103 - 0-0.1	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH103 - 0.5-0.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH104 - 0.5-0.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH104 - 0.15-0.25	29 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
BH104 - 1.5-1.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH104 - 7-7.1	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH105 - 0.1-0.2	29 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
BH105 - 1-1.1	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH105 - 1.5-1.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH105 - 2.9-3	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH106 - 0.1-0.2	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH106 - 0.5-0.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH106 - 1-1.1	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH107 - 0.2-0.3	29 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
BH107 - 1.4-.1.5	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH108 - 0.25 - 0.35	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH108 - 1-1.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH109 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH109 - 1-1.1	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
BH110 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH110 - 0.5-0.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH111 - 0.5-0.6	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
BH111 - 0.15-0.25	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH111 - 1.5-1.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH112 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH112 - 2-2.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH113 - 0.15-0.25	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH114 - 0.1-.0.2	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH114 - 1.5-1.6	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
BH115 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH115 - 1-1.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH116 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH116 - 1.5-1.6	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
BH116 -2.5-2.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH118 - 0.2-0.3	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
BH118 - 0.5-0.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250529_01	29 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250529_P01	29 May 2025	382266	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	<0.005	-	-	-	-	-
QA20250530_01	30 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250530_02	30 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA20250530_P01	30 May 2025	382266	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	<0.005	-	-	-	-	-
QC20250529_01	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250529-P01	29 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
QC20250530_01	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250530_02	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC20250530-P01	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
SPRINKLER - 01	02 Jun 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
SPRINKLER - 02	02 Jun 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
TP101 - 0-0.1	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
TP102 - 0.5-0.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP104 - 0-0.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP105 - 0-0.1	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
TP105 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP106 - 0-0.1	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
TP107 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP108 - 0-0.1	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
TP109 - 0-0.1	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
TP114 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP116 - 0.5-0.6	30 May 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
TP117 - 2.6-2.7	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP118 - 1-1.1	02 Jun 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
TP119 - 2.5-2.6	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP120 - 0.5-0.6	02 Jun 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
TP121 - 2-2.1	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP122 - 2-2.1	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TP124 - 0-0.1	02 Jun 2025	1227657	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005
UT-01	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ANALYTICAL SUMMARY TABLE
Project Number: 68785
Project Name: Project Maverick , 235 Martin Road, Bradfield, NSW , Goodman

	MAH						Miscellaneous Hydrocarbons						Chlorinated Benzenes				Trihalomethanes				Organic Sulfur Compounds	Moisture Content	Other
	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene	Styrene	Total MAH	Bromobenzene	Isopropylbenzene	1,2-dibromoethane	Bromomethane	Dibromomethane	Iodomethane	4-Methyl-2-pentanone	Methyl Ethyl Ketone	1,2-Dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	Chlorobenzene	Dibromochloromethane	Chloroform	Tribromomethane	Bromodichloromethane	Carbon disulfide	Moisture Content	Moisture Content (dried @ 103°C)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	%
EQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	1
NSW EPA (2014) General Solid Waste, CT1 (without TCLP)			60									4,000	86		150	2,000		120					
NSW EPA (2014) General Solid Waste, SCC1 (with TCLP)			108									7,200	155		270	3,600		216					
NSW EPA (2014) Restricted Solid Waste, CT2 (without TCLP)			240									16,000	344		600	8,000		480					
NSW EPA (2014) Restricted Solid Waste, SCC2 (with TCLP)			432									28,800	620		1,080	14,400		864					
Field ID	**Date**	**Lab Report Number**																					
BH101 - 0-0.1	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
BH101 - 0.5-0.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
BH102 - 0.5-0.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19
BH102 - 1.5-1.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
BH103 - 0-0.1	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
BH103 - 0.5-0.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
BH104 - 0.5-0.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
BH104 - 0.15-0.25	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	23
BH104 - 1.5-1.6	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	11
BH104 - 7-7.1	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	13
BH105 - 0.1-0.2	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	19
BH105 - 1-1.1	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
BH105 - 1.5-1.6	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	14
BH105 - 2.9-3	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	9.9
BH106 - 0.1-0.2	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	18
BH106 - 0.5-0.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
BH106 - 1-1.1	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	8.7
BH107 - 0.2-0.3	29 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	13
BH107 - 1.4-.1.5	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.9
BH108 - 0.25 - 0.35	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	22
BH108 - 1-1.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
BH109 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23
BH109 - 1-1.1	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	18
BH110 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21
BH110 - 0.5-0.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
BH111 - 0.5-0.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
BH111 - 0.15-0.25	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23
BH111 - 1.5-1.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
BH112 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22
BH112 - 2-2.1	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	9.9
BH113 - 0.15-0.25	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	23
BH114 - 0.1-.0.2	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
BH114 - 1.5-1.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
BH115 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19
BH115 - 1-1.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19
BH116 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19
BH116 - 1.5-1.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
BH116 -2.5-2.6	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH118 - 0.2-0.3	30 May 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	20
BH118 - 0.5-0.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
QA20250529_01	29 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-
QA20250529_P01	29 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-
QA20250530_01	30 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-
QA20250530_02	30 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	-
QA20250530_P01	30 May 2025	382266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-
QC20250529_01	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25
QC20250529-P01	29 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22
QC20250530_01	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
QC20250530_02	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
QC20250530-P01	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
SPRINKLER - 01	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41
SPRINKLER - 02	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37
TP101 - 0-0.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36
TP102 - 0.5-0.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
TP104 - 0-0.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19
TP105 - 0-0.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
TP105 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
TP106 - 0-0.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.7
TP107 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.0
TP108 - 0-0.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
TP109 - 0-0.1	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
TP114 - 0.2-0.3	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
TP116 - 0.5-0.6	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
TP117 - 2.6-2.7	30 May 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
TP118 - 1-1.1	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
TP119 - 2.5-2.6	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.7
TP120 - 0.5-0.6	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
TP121 - 2-2.1	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
TP122 - 2-2.1	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
TP124 - 0-0.1	02 Jun 2025	1227657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
UT-01	02 Jun 2025	1227657	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	11

ANALYTICAL SUMMARY TABLE
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation , 235 Martin Road, Bradfield , Goodman

	Metals & Metalloids								TRHs (NEPC 2013)							BTEXN							
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Total BTEX	Naphthalene_VOC
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	2	0.4	2	5	5	0.1	2	5	10	50	100	100	50	10	50	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.5
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil	3,000	900	3,600	240,000	1,500	730	6,000	400,000															
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay														310 | 480		4 | 6 | 9 | 20							
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt														250 | 360 | 590		4 | 4 | 6 | 10							
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind	160		310	85	1,800		55	110															370
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																							

Field ID	Date	Lab Report Number																					
B001_0.0-0.1	05 Nov 2025	1289221	23	<0.4	53	12	29	<0.1	8.3	18	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B002_0.0-0.1	05 Nov 2025	1289221	14	<0.4	27	18	21	<0.1	7.9	55	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B003_0.0-0.1	05 Nov 2025	1289221	17	<0.4	33	17	22	<0.1	9.9	50	<20	<50	170	<100	170	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B004_0.0-0.1	05 Nov 2025	1289221	41	<0.4	55	17	35	<0.1	9.5	43	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B005_0.0-0.1	05 Nov 2025	1289221	41	<0.4	63	8.8	25	<0.1	5.8	20	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B006_0.0-0.1	06 Nov 2025	1289715	12	<0.4	16	9.2	14	<0.1	6.9	22	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B007_0.0-0.1	06 Nov 2025	1289715	22	<0.4	32	9.1	21	<0.1	9.1	24	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B008_0.0-0.1	06 Nov 2025	1289715	11	<0.4	18	11	18	<0.1	8.4	29	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B009_0.0-0.1	06 Nov 2025	1289715	15	<0.4	22	19	24	<0.1	11	40	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B010_0.0-0.1	06 Nov 2025	1289715	12	<0.4	22	23	24	<0.1	11	46	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B011_0.0-0.1	06 Nov 2025	1289715	13	<0.4	22	19	19	<0.1	11	45	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B012_0.0-0.1	06 Nov 2025	1289715	12	<0.4	24	24	18	<0.1	11	48	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B013_0.0-0.1	06 Nov 2025	1289715	8.0	<0.4	18	21	22	<0.1	13	58	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B014_0.0-0.1	07 Nov 2025	1289832	13	<0.4	26	20	24	<0.1	12	40	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B015_0.0-0.1	07 Nov 2025	1289832	11	<0.4	37	28	31	<0.1	13	69	<20	<50	110	<100	110	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B016_0.0-0.1	07 Nov 2025	1289832	12	<0.4	20	17	22	<0.1	8.9	47	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B017_0.0-0.1	07 Nov 2025	1289832	11	<0.4	14	16	18	<0.1	11	48	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
QA05A	07 Nov 2025	ES2535032	13	<1	16	18	17	<0.1	11	45	<10	<50	<100	<100	<50	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
QC05A	07 Nov 2025	1289832	13	<0.4	16	16	19	<0.1	11	47	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B018_0-0.05	07 Nov 2025	1289832	8.4	<0.4	19	17	19	<0.1	11	43	<20	<50	130	<100	130	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B018_0.0-0.1	07 Nov 2025	1289832	13	<0.4	20	20	26	<0.1	11	33	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B019_0.0-0.1	05 Nov 2025	1289221	3.9	<0.4	11	11	12	<0.1	6.5	28	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B020_0.0-0.1	05 Nov 2025	1289221	27	<0.4	46	15	37	<0.1	8.2	32	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B021_0.0-0.1	05 Nov 2025	1289221	24	<0.4	46	18	39	<0.1	12	49	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B022_0.0-0.1	06 Nov 2025	1289715	23	<0.4	34	18	43	<0.1	16	61	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
QA01_20251106GB	06 Nov 2025	ES2534940	15	<1	27	17	22	<0.1	9	34	<10	<50	<100	<100	<50	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
QC01_20251106GB	06 Nov 2025	1289715	15	<0.4	24	12	16	<0.1	7.6	24	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B023_0.0-0.1	06 Nov 2025	1289715	31	<0.4	40	16	40	<0.1	28	41	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B024_0.0-0.1	05 Nov 2025	1289221	38	<0.4	51	12	28	<0.1	9.3	31	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B025_0.0-0.1	06 Nov 2025	1289715	16	<0.4	25	12	21	<0.1	<5	35	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B026_0.0-0.1	06 Nov 2025	1289715	18	<0.4	33	8.9	22	<0.1	8.5	28	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
QA02_20251106GB	06 Nov 2025	ES2534940	11	<1	22	7	17	<0.1	6	14	<10	<50	<100	<100	<50	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
QC02_20251106GB	06 Nov 2025	1289715	13	<0.4	25	9.0	18	<0.1	6.8	26	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B027_0.0-0.1	07 Nov 2025	1289832	16	<0.4	28	17	29	<0.1	11	37	<20	<50	140	<100	140	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B028_0.0-0.1	06 Nov 2025	1289715	9.0	<0.4	22	22	24	<0.1	16	50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B029_0.0-0.1	06 Nov 2025	1289715	17	<0.4	25	24	24	<0.1	11	45	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B030_0.0-0.1	07 Nov 2025	1289832	8.9	<0.4	16	22	21	<0.1	8.3	56	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B031_0.0-0.05	07 Nov 2025	1289832	8.6	<0.4	18	26	24	<0.1	12	57	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B032_0.0-0.1	07 Nov 2025	1289832	9.2	<0.4	18	23	29	<0.1	15	65	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B033_0.0-0.1	07 Nov 2025	1289832	20	<0.4	22	37	38	<0.1	19	100	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B034_0.0-0.1	07 Nov 2025	1289832	6.7	<0.4	16	20	21	<0.1	12	80	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B035_0.0-0.1	07 Nov 2025	1289832	8.7	<0.4	13	18	18	<0.1	11	41	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B036_0.0-0.1	07 Nov 2025	1289832	7.6	<0.4	24	21	24	<0.1	16	75	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
QA01_20251107GB	07 Nov 2025	ES2535032	<5	<1	17	21	18	<0.1	21	96	<10	<50	<100	<100	<50	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
QC01_20251107GB	07 Nov 2025	1289832	6.5	<0.4	19	22	22	<0.1	14	69	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B037_0.0-0.1	07 Nov 2025	1289832	7.1	<0.4	15	23	20	<0.1	10	40	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B038_0.0-0.1	07 Nov 2025	1289832	12	<0.4	26	24	31	<0.1	18	56	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B039_0.0-0.1	05 Nov 2025	1289221	5.2	<0.4	13	16	16	<0.1	7.2	49	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B040_0.0-0.1	05 Nov 2025	1289221	5.0	<0.4	15	15	15	<0.1	6.2	37	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B041_0.0-0.1	05 Nov 2025	1289221	29	<0.4	54	13	29	<0.1	10	39	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B042_0.0-0.1	05 Nov 2025	1289221	21	<0.4	40	23	35	<0.1	20	48	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B043_0.0-0.1	05 Nov 2025	1289221	29	<0.4	36	23	37	<0.1	19	77	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B044_0.0-0.1	06 Nov 2025	1289715	15	<0.4	17	14	14	<0.1	13	31	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B045_0.0-0.1	06 Nov 2025	1289715	25	<0.4	26	13	19	<0.1	12	31	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B046_0.0-0.1	06 Nov 2025	1289715	28	<0.4	38	9.3	21	<0.1	6.2	16	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B047_0.0-0.1	06 Nov 2025	1289715	19	<0.4	36	7.2	21	<0.1	<5	14	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B048_0.0-0.1	06 Nov 2025	1289715	10	<0.4	28	18	27	<0.1	15	47	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B049_0.0-0.1	06 Nov 2025	1289715	9.8	<0.4	23	23	26	<0.1	21	59	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B050_0.0-0.1	06 Nov 2025	1289715	10	<0.4	23	22	29	<0.1	16	60	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B051_0.0-0.1	07 Nov 2025	1289832	7.4	<0.4	17	23	22	<0.1	9.2	49	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B052_0.0-0.1	06 Nov 2025	1289715	12	<0.4	25	22	28	<0.1	12	60	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5

ANALYTICAL SUMMARY TABLE
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation , 235 Martin Road, Bradfield , Goodman

			Metals & Metalloids								TRHs (NEPC 2013)							BTEXN							
			Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Total BTEX	Naphthalene_VOC
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			2	0.4	2	5	5	0.1	2	5	10	50	100	100	50	10	50	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.5
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil			3,000	900	3,600	240,000	1,500	730	6,000	400,000															
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																310 | 480		4 | 6 | 9 | 20							
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																250 | 360 | 590		4 | 4 | 6 | 10						
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind			160		310	85	1,800		55	110															370
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																									
Field ID	**Date**	**Lab Report Number**																							
B053_0.0-0.1	07 Nov 2025	1289832	10	<0.4	29	22	27	<0.1	14	60	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B054_0.0-0.1	07 Nov 2025	1289832	3.9	<0.4	12	22	19	<0.1	8.9	77	<20	<50	220	160	380	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B055_0.0-0.1	07 Nov 2025	1289832	9.3	<0.4	15	14	20	<0.1	8.4	36	<20	<50	120	120	240	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B056_0.0-0.1	07 Nov 2025	1289832	8.4	<0.4	22	22	22	<0.1	15	70	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B057_0.0-0.1	07 Nov 2025	1289832	9.1	<0.4	18	31	25	<0.1	17	93	<20	<50	140	<100	140	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B058_0.0-0.1	05 Nov 2025	1289221	6.7	<0.4	14	12	18	<0.1	7.9	21	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B059_0.0-0.1	05 Nov 2025	1289221	5.6	<0.4	14	8.9	13	<0.1	<5	19	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
QA01GB	05 Nov 2025	ES2534818	8	<1	15	7	15	<0.1	3	11	<10	<50	<100	<100	<50	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
QA101_20251105GB	05 Nov 2025	1289221	3.9	<0.4	11	9.0	9.2	<0.1	<5	24	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B060_0.0-0.1	05 Nov 2025	1289221	12	<0.4	20	16	19	<0.1	9.2	46	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B061_0.0-0.1	05 Nov 2025	1289221	23	<0.4	30	16	24	<0.1	8.1	31	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B062_0.01-0.1	05 Nov 2025	1289221	28	<0.4	41	27	41	<0.1	24	72	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B063_0.0-0.1	05 Nov 2025	1289221	19	<0.4	24	19	24	<0.1	17	53	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B064_0.0-0.1	06 Nov 2025	1289715	11	<0.4	10	17	15	<0.1	10	52	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B065_0.0-0.1	06 Nov 2025	1289715	20	<0.4	16	20	14	<0.1	23	55	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B066_0.0-0.1	06 Nov 2025	1289715	25	<0.4	29	19	21	<0.1	11	63	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B067_0.0-0.1	06 Nov 2025	1289715	26	<0.4	26	12	17	<0.1	8.3	22	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B068_0.0-0.1	06 Nov 2025	1289715	17	<0.4	25	10	21	<0.1	7.0	73	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B069_0.0-0.1	07 Nov 2025	1289832	13	<0.4	26	9.0	14	<0.1	<5	16	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B070_0.0-0.1	06 Nov 2025	1289715	5.8	<0.4	19	34	29	<0.1	16	85	<20	<50	120	<100	120	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B071_0.0-0.1	06 Nov 2025	1289715	9.9	<0.4	22	26	28	<0.1	16	68	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B072_0.0-0.1	06 Nov 2025	1289715	11	<0.4	28	22	32	<0.1	16	60	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B073_0.0-0.1	07 Nov 2025	1289832	18	<0.4	86	24	21	<0.1	19	61	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
20251107_QA01TL	07 Nov 2025	ES2535032	9	<1	54	19	14	<0.1	16	57	<10	<50	<100	<100	<50	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
20251107_QC01TL	07 Nov 2025	1289832	13	<0.4	95	26	19	<0.1	23	64	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B074_0.0-0.1	07 Nov 2025	1289832	16	<0.4	66	20	19	<0.1	11	54	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B075_0–0.1	07 Nov 2025	1289832	12	<0.4	17	23	21	<0.1	14	48	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B076_0–0.1	07 Nov 2025	1289832	8.1	<0.4	19	21	22	<0.1	14	45	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B078_0–0.1	07 Nov 2025	1289832	6.7	<0.4	19	31	27	<0.1	18	80	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B079_0.0-0.1	07 Nov 2025	1289832	7.0	<0.4	15	25	23	<0.1	11	67	<20	<50	180	170	350	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B080_0.0-0.1	05 Nov 2025	1289221	7.5	<0.4	19	15	24	<0.1	7.9	29	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B081_0.0-0.1	05 Nov 2025	1289221	3.4	<0.4	11	6.7	12	<0.1	<5	27	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B082_0.0-0.1	05 Nov 2025	1289221	12	<0.4	26	12	14	<0.1	<5	29	<20	<50	100	<100	100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B083_0.0-0.1	06 Nov 2025	1289715	25	<0.4	42	12	26	<0.1	6.9	34	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B084_0.0-0.1	05 Nov 2025	1289221	6.0	<0.4	13	23	16	<0.1	9.0	61	<20	<50	160	<100	160	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B084_0.0-0.1	05 Nov 2025	1289221	26	<0.4	34	28	31	<0.1	22	82	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B084_0.0-0.1	06 Nov 2025	1289715	3.3	<0.4	9.4	22	15	<0.1	11	79	<20	<250	<500	<500	<500	<20	<250	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
TQA01	06 Nov 2025	ES2534940	21	<1	23	22	25	<0.1	18	70	<10	<50	<100	<100	<50	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
TQC01	06 Nov 2025	1289715	3.4	<0.4	8.5	20	13	<0.1	10	74	<50	<50	<100	<100	<100	<50	<50	<0.25	<0.25	<0.25	<0.25	<0.5	<0.75	-	<1.25
B085_0.0-0.1	06 Nov 2025	1289715	26	<0.4	26	22	28	<0.1	16	75	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B086_0.0-0.1	06 Nov 2025	1289715	20	<0.4	16	21	18	<0.1	12	66	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
TQA02	06 Nov 2025	ES2534940	15	<1	10	20	13	<0.1	12	54	<10	<50	<100	<100	<50	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
TQC02	06 Nov 2025	1289715	26	<0.4	18	23	19	<0.1	13	95	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B087_0.0-0.1	06 Nov 2025	1289715	22	<0.4	18	19	14	<0.1	10	44	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B088_0.0-0.1	06 Nov 2025	1289715	19	<0.4	22	21	21	<0.1	7.1	83	<20	<50	160	<100	160	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B089_0.0-0.1	06 Nov 2025	1289715	17	<0.4	27	12	17	<0.1	<5	42	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B90-0.0-0.1	27 Nov 2025	1298121	19	<0.4	40	12	26	<0.1	7.8	48	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B091_0.0-0.1	06 Nov 2025	1289715	12	<0.4	27	11	22	<0.1	9.4	24	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B092_0.0-0.1	06 Nov 2025	1289715	12	<0.4	18	18	20	<0.1	11	41	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B093_0.0-0.1	07 Nov 2025	1289832	21	<0.4	32	19	26	<0.1	14	53	<20	51	190	110	351	<20	51	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B094_0.0-0.1	07 Nov 2025	1289832	20	<0.4	32	22	25	<0.1	12	64	<20	<50	450	150	600	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B095_0.0-0.1	07 Nov 2025	1289832	13	<0.4	22	25	32	<0.1	16	51	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B096_0.0-0.1	07 Nov 2025	1289832	6.3	<0.4	19	31	28	<0.1	24	61	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B097_0.0-0.1	07 Nov 2025	1289832	9.5	<0.4	17	26	29	<0.1	17	50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B098_0.0-0.1	07 Nov 2025	1289832	10	<0.4	17	18	22	<0.1	9.3	32	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B099_0.0-0.1	05 Nov 2025	1289221	5.9	<0.4	17	9.7	14	<0.1	5.2	13	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B100_0.0-0.1	05 Nov 2025	1289221	5.4	<0.4	18	7.1	17	<0.1	<5	14	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B101_0.0-01	05 Nov 2025	1289221	26	<0.4	57	9.1	38	<0.1	5.4	20	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B102_0.0-0.1	05 Nov 2025	1289221	26	<0.4	47	15	25	<0.1	10.0	30	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B103_0.0-0.1	05 Nov 2025	1289221	24	<0.4	43	25	29	<0.1	15	61	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B104_0.0-0.1	05 Nov 2025	1289221	19	<0.4	24	21	27	<0.1	22	48	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B104_0.0-0.1	06 Nov 2025	1289715	3.8	<0.4	5.3	25	7.3	<0.1	11	100	<50	<50	250	<100	250	<50	<50	<0.25	<0.25	<0.25	<0.25	<0.5	<0.75	-	<1.25
B105_0.0-0.1	06 Nov 2025	1289715	10	<0.4	20	26	23	<0.1	13	120	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B106_0.0-0.1	06 Nov 2025	1289715	6.8	<0.4	9.1	23	14	<0.1	8.3	110	<20	<50	160	<100	160	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B107_0.0-0.1	06 Nov 2025	1289715	4.5	<0.4	10	24	13	<0.1	8.8	120	<20	<50	220	<100	220	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
QA03A	06 Nov 2025	ES2534940	<5	<1	9	22	11	<0.1	8	88	<10	<50	600	370	970	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
QC03A	06 Nov 2025	1289715	6.3	<0.4	7.9	25	11	<0.1	9.1	110	<20	<50	200	100	300	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B108_0.0-0.1	06 Nov 2025	1289715	8.3	<0.4	15	29	17	<0.1	23	190	<20	<50	110	<100	110	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B109-0.0-0.1	27 Nov 2025	1298121	15	<0.4	35	16	30	<0.1	10	65	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B110_0.0-0.1	13 Nov 2025	1292931	2.5	<0.4	11	10	15	<0.1	8.7	65	<20	120	1,100	560	1,780	<20	120	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5

ANALYTICAL SUMMARY TABLE
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation , 235 Martin Road, Bradfield , Goodman

			Metals & Metalloids								TRHs (NEPC 2013)							BTEXN							
			Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Total BTEX	Naphthalene_VOC
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			2	0.4	2	5	5	0.1	2	5	10	50	100	100	50	10	50	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.5
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil			3,000	900	3,600	240,000	1,500	730	6,000	400,000															
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																310 | 480		4 | 6 | 9 | 20							
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																250 | 360 | 590		4 | 4 | 6 | 10						
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind			160		310	85	1,800		55	110															370
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																									
Field ID	**Date**	**Lab Report Number**																							
B111_0.0-0.1	06 Nov 2025	1289715	12	<0.4	27	16	24	<0.1	9.7	30	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B112_0.0-0.1	07 Nov 2025	1289832	14	<0.4	19	19	21	<0.1	15	51	<20	<50	160	<100	160	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B113_0.0-0.1	07 Nov 2025	1289832	16	<0.4	22	29	29	<0.1	16	64	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B114_0.0-0.1	07 Nov 2025	1289832	22	<0.4	30	40	33	<0.1	16	71	<20	<50	120	<100	120	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B114_0.2-0.3	07 Nov 2025	1289832	8.8	<0.4	14	17	20	<0.1	12	29	<20	<50	100	<100	100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B115_0.0-0.1	07 Nov 2025	1289832	12	<0.4	20	23	19	<0.1	9.8	50	<20	<50	110	<100	110	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B131_0.0-0.1	05 Nov 2025	1289221	6.6	<0.4	23	8.3	18	<0.1	<5	19	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B132_0.0-0.1	05 Nov 2025	1289221	15	<0.4	35	9.7	23	<0.1	5.9	12	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B133_0.0-0.1	05 Nov 2025	1289221	7.6	<0.4	18	16	12	<0.1	6.7	36	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B134_0.0-0.1	05 Nov 2025	1289221	11	<0.4	23	24	24	<0.1	12	68	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
QC02A	05 Nov 2025	1289221	20	<0.4	27	18	23	<0.1	12	57	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
QA02A	05 Nov 2025	ES2534818	8	<1	13	19	16	<0.1	8	47	<10	<50	100	<100	100	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
B135_0.0-0.1	05 Nov 2025	1289221	16	<0.4	24	28	16	<0.1	22	53	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B136_0.0-0.1	06 Nov 2025	1289715	3.7	<0.4	7.9	23	10	<0.1	7.6	93	<20	<50	220	<100	220	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B137_0.0-0.1	06 Nov 2025	1289715	7.3	<0.4	14	30	20	<0.1	9.5	180	<20	<50	230	120	350	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
QA04A	06 Nov 2025	ES2534940	<5	<1	12	39	18	<0.1	10	269	<10	<50	170	130	300	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
QC04A	06 Nov 2025	1289715	4.3	<0.4	12	33	17	<0.1	9.2	210	<20	<50	280	<100	280	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B138_0.0-0.1	06 Nov 2025	1289715	5.7	<0.4	16	28	18	<0.1	13	99	<20	<50	270	<100	270	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B139_0.0-0.1	06 Nov 2025	1289715	12	<0.4	16	15	8.5	<0.1	30	49	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B139_0.2-0.3	06 Nov 2025	1289715	6.7	<0.4	19	18	14	<0.1	15	52	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B140-0.0-0.1	27 Nov 2025	1298121	16	<0.4	40	36	51	<0.1	11	280	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B143_0.0-0.1	07 Nov 2025	1289832	8.3	<0.4	17	25	25	<0.1	13	44	<20	<50	120	<100	120	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B144_0.0-0.1	07 Nov 2025	1289832	9.1	<0.4	25	17	23	<0.1	8.7	30	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B160_0.0-0.1	05 Nov 2025	1289221	3.6	<0.4	8.1	9.9	15	<0.1	<5	36	<20	<50	110	<100	110	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B161_0.0-0.1	05 Nov 2025	1289221	6.2	<0.4	16	7.1	13	<0.1	<5	13	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B162_0.0-0.1	05 Nov 2025	1289221	6.6	<0.4	17	9.8	17	<0.1	<5	16	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B163_0.0-0.1	05 Nov 2025	1289221	5.2	<0.4	10	13	13	<0.1	5.8	50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B164_0.0-0.1	05 Nov 2025	1289221	20	<0.4	30	22	24	<0.1	12	95	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B165_0.0-0.1	06 Nov 2025	1289715	15	<0.4	16	15	15	<0.1	6.6	35	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B166_0.0-0.1	06 Nov 2025	1289715	<2	<0.4	8.9	16	15	<0.1	5.7	340	<50	<50	230	130	360	<50	<50	<0.25	<0.25	<0.25	<0.25	<0.5	<0.75	-	<1.25
B167_0.0-0.1	06 Nov 2025	1289715	<2	<0.4	18	19	11	<0.1	7.6	30	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B168_0.0-0.1	07 Nov 2025	1289832	8.6	<0.4	17	22	36	<0.1	10	290	<20	<50	150	<100	150	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B169_0.0-0.1	07 Nov 2025	1289832	14	<0.4	16	13	17	<0.1	9.0	43	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B170_0.0-0.1	07 Nov 2025	1289832	13	<0.4	18	19	21	<0.1	7.1	31	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B171_0.0-0.1	07 Nov 2025	1289832	11	<0.4	21	15	27	<0.1	10	36	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B172_0.0-0.1	07 Nov 2025	1289832	9.3	<0.4	25	17	20	<0.1	12	21	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B179_0.0-0.1	05 Nov 2025	1289221	7.2	<0.4	16	14	27	<0.1	9.0	32	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B180_0.0-0.1	05 Nov 2025	1289221	4.7	<0.4	15	11	17	<0.1	7.0	26	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
TQA02	05 Nov 2025	ES2534818	<5	<1	7	10	11	<0.1	4	37	<10	<50	160	110	270	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
TQC02	05 Nov 2025	1289221	2.6	<0.4	7.7	7.0	13	<0.1	<5	25	<20	<50	110	120	230	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B181_0.0-0.1	05 Nov 2025	1289221	3.5	<0.4	11	7.7	14	<0.1	<5	20	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
QC01A	05 Nov 2025	1289221	3.1	<0.4	8.8	6.8	11	<0.1	<5	19	<20	<50	<100	120	120	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
QA01A	05 Nov 2025	ES2534818	<5	<1	8	7	11	<0.1	2	16	<10	<50	<100	<100	<50	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
B182_0.0-0.1	05 Nov 2025	1289221	6.3	<0.4	16	12	19	<0.1	5.2	35	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B183_0.0-0.1	07 Nov 2025	1289832	9.2	<0.4	12	34	15	<0.1	20	71	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B186_0.0-0.1	07 Nov 2025	1289832	15	<0.4	31	8.1	19	<0.1	<5	12	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B187_0.0-0.1	07 Nov 2025	1289832	4.3	<0.4	10	9.6	13	<0.1	<5	29	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B203_0.0-0.1	05 Nov 2025	1289221	6.4	<0.4	16	16	26	<0.1	8.1	28	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B204_0.0-0.1	05 Nov 2025	1289221	14	<0.4	41	16	29	<0.1	9.9	35	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B205_0.0-0.1	05 Nov 2025	1289221	22	<0.4	60	17	33	<0.1	8.3	27	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B223_0.0-0.1	05 Nov 2025	1289221	22	<0.4	46	19	46	<0.1	8.3	16	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
TQA01	06 Nov 2025	ES2534940	21	<1	23	22	25	<0.1	18	70	<10	<50	<100	<100	<50	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
TQA01_0.0-0.1	05 Nov 2025	1289221	12	<0.4	25	11	22	<0.1	9.3	33	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B236_0.0-0.1	05 Nov 2025	1289221	4.2	<0.4	12	6.7	15	<0.1	<5	15	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5

ANALYTICAL SUMMARY TABLE
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation , 235 Martin Road, Bradfield , Goodman

				PAH																		
				Acenaphthene	Acenaphthylene	Anthracene	Benz[a]anthracene	Benzo(a)pyrene	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil									40	40	40												4,000
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																							
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																							
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																				370			
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																							
Field ID	**Date**	**Lab Report Number**																					
B001_0.0-0.1	05 Nov 2025	1289221		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B002_0.0-0.1	05 Nov 2025	1289221		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B003_0.0-0.1	05 Nov 2025	1289221		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B004_0.0-0.1	05 Nov 2025	1289221		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B005_0.0-0.1	05 Nov 2025	1289221		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B006_0.0-0.1	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B007_0.0-0.1	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B008_0.0-0.1	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B009_0.0-0.1	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B010_0.0-0.1	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B011_0.0-0.1	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B012_0.0-0.1	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B013_0.0-0.1	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B014_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B015_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B016_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B017_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QA05A	07 Nov 2025	ES2535032		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC05A	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B018_0-0.05	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B018_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B019_0.0-0.1	05 Nov 2025	1289221		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B020_0.0-0.1	05 Nov 2025	1289221		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B021_0.0-0.1	05 Nov 2025	1289221		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B022_0.0-0.1	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QA01_20251106GB	06 Nov 2025	ES2534940		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC01_20251106GB	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B023_0.0-0.1	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B024_0.0-0.1	05 Nov 2025	1289221		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B025_0.0-0.1	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B026_0.0-0.1	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QA02_20251106GB	06 Nov 2025	ES2534940		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC02_20251106GB	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B027_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B028_0.0-0.1	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B029_0.0-0.1	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B030_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B031_0.0-0.05	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B032_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B033_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B034_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B035_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B036_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QA01_20251107GB	07 Nov 2025	ES2535032		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC01_20251107GB	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B037_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B038_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B039_0.0-0.1	05 Nov 2025	1289221		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B040_0.0-0.1	05 Nov 2025	1289221		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B041_0.0-0.1	05 Nov 2025	1289221		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B042_0.0-0.1	05 Nov 2025	1289221		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B043_0.0-0.1	05 Nov 2025	1289221		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B044_0.0-0.1	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B045_0.0-0.1	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B046_0.0-0.1	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B047_0.0-0.1	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B048_0.0-0.1	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B049_0.0-0.1	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B050_0.0-0.1	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B051_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B052_0.0-0.1	06 Nov 2025	1289715		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

ANALYTICAL SUMMARY TABLE
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation , 235 Martin Road, Bradfield , Goodman

			PAH																			
			Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil								40	40	40												4,000
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																						
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																						
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																			370			
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																						
Field ID	**Date**	**Lab Report Number**																				
B053_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B054_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B055_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B056_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B057_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B058_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B059_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QA01GB	05 Nov 2025	ES2534818	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QA101_20251105GB	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B060_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B061_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B062_0.01-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B063_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B064_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B065_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B066_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B067_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B068_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B069_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B070_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B071_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B072_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B073_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
20251107_QA01TL	07 Nov 2025	ES2535032	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
20251107_QC01TL	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B074_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B075_0–0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B076_0–0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B078_0–0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B079_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B080_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B081_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B082_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B083_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B084_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B084_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B084_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TQA01	06 Nov 2025	ES2534940	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TQC01	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B085_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B086_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TQA02	06 Nov 2025	ES2534940	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TQC02	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B087_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B088_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B089_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B90-0.0-0.1	27 Nov 2025	1298121	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B091_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B092_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B093_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B094_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B095_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B096_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B097_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B098_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B099_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B100_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B101_0.0-01	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B102_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B103_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B104_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B104_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B105_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B106_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B107_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QA03A	06 Nov 2025	ES2534940	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC03A	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B108_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B109-0.0-0.1	27 Nov 2025	1298121	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B110_0.0-0.1	13 Nov 2025	1292931	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

ANALYTICAL SUMMARY TABLE
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation , 235 Martin Road, Bradfield , Goodman

			PAH																			
			Acenaphthene	Acenaphthylene	Anthracene	Benz[a]anthracene	Benzo(a)pyrene	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(b+j)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil								40	40	40												4,000
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																						
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																						
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																			370			
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																						
Field ID	**Date**	**Lab Report Number**																				
B111_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B112_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B113_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B114_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B114_0.2-0.3	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B115_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B131_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B132_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B133_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B134_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC02A	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QA02A	05 Nov 2025	ES2534818	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B135_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B136_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B137_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QA04A	06 Nov 2025	ES2534940	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC04A	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B138_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B139_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B139_0.2-0.3	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B140-0.0-0.1	27 Nov 2025	1298121	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B143_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B144_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B160_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B161_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B162_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B163_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B164_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B165_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B166_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B167_0.0-0.1	06 Nov 2025	1289715	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B168_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B169_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B170_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B171_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B172_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B179_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B180_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TQA02	05 Nov 2025	ES2534818	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TQC02	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B181_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC01A	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QA01A	05 Nov 2025	ES2534818	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B182_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B183_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B186_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B187_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B203_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B204_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B205_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B223_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TQA01	06 Nov 2025	ES2534940	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TQA01_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
B236_0.0-0.1	05 Nov 2025	1289221	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

ANALYTICAL SUMMARY TABLE
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation , 235 Martin Road, Bradfield , Goodman

															Organochlorine Pesticides													
			4,4-DDE	a-BHC	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	Chlordane	Chlordane (cis)	Chlordane (trans)	DDT	DDD	DDT+DDE+DDD	Endosulfan	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor Epoxide	Hexachlorobenzene	Methoxychlor	Toxaphene
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.5
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil										45	530					3,600	2,000				100			50		80	2,500	160
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																												
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																												
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind														640														
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																												
Field ID	**Date**	**Lab Report Number**																										
B001_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B002_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B003_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B004_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B005_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B006_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B007_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B008_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B009_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B010_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B011_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B012_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B013_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B014_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B015_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B016_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B017_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
QA05A	07 Nov 2025	ES2535032	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-
QC05A	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B018_0-0.05	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B018_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B019_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B020_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B021_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B022_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
QA01_20251106GB	06 Nov 2025	ES2534940	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-
QC01_20251106GB	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B023_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B024_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B025_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B026_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
QA02_20251106GB	06 Nov 2025	ES2534940	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-
QC02_20251106GB	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B027_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B028_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B029_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B030_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B031_0.0-0.05	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B032_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B033_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B034_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B035_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B036_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
QA01_20251107GB	07 Nov 2025	ES2535032	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-
QC01_20251107GB	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B037_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B038_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B039_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B040_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B041_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B042_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B043_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B044_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B045_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B046_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B047_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B048_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B049_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B050_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B051_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B052_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5

ANALYTICAL SUMMARY TABLE
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation , 235 Martin Road, Bradfield , Goodman

			Organochlorine Pesticides																								
			4,4-DDE	a-BHC	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	Chlordane	Chlordane (cis)	Chlordane (trans)	DDT	DDD	DDT+DDE+DDD	Endosulfan	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor Epoxide	Hexachlorobenzene	Methoxychlor	Toxaphene
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.5
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil										45	530					3,600	2,000				100			50		80	2,500	160
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																													
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																													
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind														640															
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																													
Field ID	**Date**	**Lab Report Number**																											
B053_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B054_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B055_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B056_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B057_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B058_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B059_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
QA01GB	05 Nov 2025	ES2534818	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-
QA101_20251105GB	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B060_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B061_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B062_0.01-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B063_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B064_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B065_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B066_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B067_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B068_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B069_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B070_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B071_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B072_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B073_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
20251107_QA01TL	07 Nov 2025	ES2535032	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-
20251107_QC01TL	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B074_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B075_0–0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B076_0–0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B078_0–0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B079_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B080_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B081_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B082_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B083_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B084_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B084_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B084_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
TQA01	06 Nov 2025	ES2534940	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-
TQC01	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B085_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B086_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
TQA02	06 Nov 2025	ES2534940	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-
TQC02	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B087_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B088_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B089_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B90-0.0-0.1	27 Nov 2025	1298121	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B091_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B092_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B093_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B094_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B095_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B096_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B097_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B098_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B099_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B100_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B101_0.0-01	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B102_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B103_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B104_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B104_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B105_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B106_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.08	0.08	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B107_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
QA03A	06 Nov 2025	ES2534940	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-
QC03A	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B108_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B109-0.0-0.1	27 Nov 2025	1298121	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B110_0.0-0.1	13 Nov 2025	1292931	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5

ANALYTICAL SUMMARY TABLE
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation , 235 Martin Road, Bradfield , Goodman

														Organochlorine Pesticides													
			4,4-DDE	a-BHC	b-BHC	d-BHC	g-BHC (Lindane)	Aldrin	Dieldrin	Aldrin + Dieldrin	Chlordane	Chlordane (cis)	Chlordane (trans)	DDT	DDD	DDT+DDE+DDD	Endosulfan	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	Heptachlor	Heptachlor Epoxide	Hexachlorobenzene	Methoxychlor	Toxaphene
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.5
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil										45	530					3,600	2,000				100			50		80	2,500	160
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																												
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																												
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind														640														
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																												
Field ID	**Date**	**Lab Report Number**																										
B111_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B112_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B113_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B114_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B114_0.2-0.3	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B115_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B131_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B132_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B133_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B134_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
QC02A	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
QA02A	05 Nov 2025	ES2534818	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-
B135_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B136_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B137_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
QA04A	06 Nov 2025	ES2534940	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-
QC04A	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.09	0.09	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B138_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B139_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B139_0.2-0.3	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B140-0.0-0.1	27 Nov 2025	1298121	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B143_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B144_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B160_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B161_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B162_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B163_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B164_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B165_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B166_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B167_0.0-0.1	06 Nov 2025	1289715	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B168_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B169_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B170_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B171_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B172_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B179_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B180_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
TQA02	05 Nov 2025	ES2534818	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-
TQC02	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B181_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
QC01A	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
QA01A	05 Nov 2025	ES2534818	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-
B182_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B183_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B186_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B187_0.0-0.1	07 Nov 2025	1289832	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B203_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B204_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B205_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B223_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
TQA01	06 Nov 2025	ES2534940	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-
TQA01_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5
B236_0.0-0.1	05 Nov 2025	1289221	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	-	-	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5

ANALYTICAL SUMMARY TABLE
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation , 235 Martin Road, Bradfield , Goodman

	Polychlorinated Biphenyls								Asbestos - Eurofins																
	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Approximate Sample Mass	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass asbestos in AF	Mass Asbestos in FA & AF	ACM - Comment	FA- Comment	AF - Comment	Organic Fibres - Comment	Respirable Fibres - Comment	Synthetic Fibres - Comment	Asbestos Reported Result	Asbestos FA & AF in Soil
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	g	g	g	% (w/w)	g	g	g	g	g	Comment	Comment	Comment	Comment	Comment	Comment	Comment	% (w/w)
EQL	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1				0.01													0.001
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil								7																	
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																									
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																									
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																									
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil												0.05													0.001
Field ID	**Date**	**Lab Report Number**																								
B001_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	268	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B002_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	426	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B003_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	292	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B004_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	558	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B005_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	492	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B006_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	451	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B007_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	585	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B008_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	637	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B009_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	466	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B010_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	522	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B011_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	476	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B012_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	438	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B013_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	457	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B014_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	519	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B015_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	424	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B016_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	329	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B017_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	369	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
QA05A	07 Nov 2025	ES2535032	-	-	-	-	-	-	-	<0.1	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.001
QC05A	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B018_0-0.05	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B018_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	399	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B019_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B020_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	647	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B021_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	606	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B022_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	428	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
QA01_20251106GB	06 Nov 2025	ES2534940	-	-	-	-	-	-	-	<0.1	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.001
QC01_20251106GB	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	367	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B023_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	504	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B024_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B025_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	292	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B026_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	545	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
QA02_20251106GB	06 Nov 2025	ES2534940	-	-	-	-	-	-	-	<0.1	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.001
QC02_20251106GB	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	608	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B027_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	434	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B028_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	429	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B029_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	446	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B030_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	372	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B031_0.0-0.05	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	398	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B032_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	437	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B033_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	396	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B034_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	372	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B035_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	502	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B036_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	284	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
QA01_20251107GB	07 Nov 2025	ES2535032	-	-	-	-	-	-	-	<0.1	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.001
QC01_20251107GB	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	331	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B037_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	457	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B038_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	596	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B039_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	375	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B040_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	413	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B041_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	557	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B042_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	356	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B043_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	412	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B044_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	466	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B045_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	455	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B046_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	431	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B047_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	476	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B048_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	346	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B049_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	390	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B050_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	576	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B051_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	454	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B052_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	495	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000

ANALYTICAL SUMMARY TABLE
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation , 235 Martin Road, Bradfield , Goodman

	Polychlorinated Biphenyls								Asbestos - Eurofins																
	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Approximate Sample Mass	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass asbestos in AF	Mass Asbestos in FA & AF	ACM - Comment	FA- Comment	AF - Comment	Organic Fibres - Comment	Respirable Fibres - Comment	Synthetic Fibres - Comment	Asbestos Reported Result	Asbestos FA & AF in Soil
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	g	g	g	% (w/w)	g	g	g	g	g	Comment	Comment	Comment	Comment	Comment	Comment	Comment	% (w/w)
EQL	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1				0.01													0.001
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil								7																	
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																									
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																									
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																									
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil												0.05													0.001
Field ID	**Date**	**Lab Report Number**																								
B053_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	496	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B054_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	456	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B055_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	409	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B056_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	510	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B057_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	435	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B058_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	470	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B059_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	419	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
QA01GB	05 Nov 2025	ES2534818	-	-	-	-	-	-	-	<0.1	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.001
QA101_20251105GB	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	437	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B060_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	321	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B061_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	551	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B062_0.01-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	462	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B063_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	355	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B064_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	348	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B065_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	527	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B066_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	511	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B067_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	414	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B068_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	466	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B069_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	475	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B070_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	453	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B071_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	475	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B072_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	566	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B073_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	522	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
20251107_QA01TL	07 Nov 2025	ES2535032	-	-	-	-	-	-	-	<0.1	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.001
20251107_QC01TL	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B074_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	532	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	0	1	1	0.0000
B075_0–0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	504	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B076_0–0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	584	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B078_0–0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	435	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B079_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	244	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B080_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	466	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B081_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	590	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B082_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	639	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B083_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	520	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B084_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	325	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B084_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	508	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B084_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	306	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
TQA01	06 Nov 2025	ES2534940	-	-	-	-	-	-	-	<0.1	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.001
TQC01	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	476	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B085_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	371	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B086_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	475	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
TQA02	06 Nov 2025	ES2534940	-	-	-	-	-	-	-	<0.1	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.001
TQC02	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	509	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B087_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B088_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	287	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B089_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	464	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B90-0.0-0.1	27 Nov 2025	1298121	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B091_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	558	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B092_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	545	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B093_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B094_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	391	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B095_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	423	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B096_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	426	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B097_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	451	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B098_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	453	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B099_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	561	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B100_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	553	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B101_0.0-01	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	633	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B102_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	439	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B103_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	373	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B104_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	372	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B104_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	289	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B105_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	377	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B106_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	255	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B107_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	414	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
QA03A	06 Nov 2025	ES2534940	-	-	-	-	-	-	-	<0.1	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.001
QC03A	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B108_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	464	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B109-0.0-0.1	27 Nov 2025	1298121	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	447	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B110_0.0-0.1	13 Nov 2025	1292931	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	441	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000

ANALYTICAL SUMMARY TABLE
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation , 235 Martin Road, Bradfield , Goodman

	Polychlorinated Biphenyls								Asbestos - Eurofins																
	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Approximate Sample Mass	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass asbestos in AF	Mass Asbestos in FA & AF	ACM - Comment	FA- Comment	AF - Comment	Organic Fibres - Comment	Respirable Fibres - Comment	Synthetic Fibres - Comment	Asbestos Reported Result	Asbestos FA & AF in Soil
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	g	g	g	% (w/w)	g	g	g	g	g	Comment	Comment	Comment	Comment	Comment	Comment	Comment	% (w/w)
EQL	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1				0.01													0.001
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil								7																	
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																									
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																									
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																									
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil												0.05													0.001
Field ID	**Date**	**Lab Report Number**																								
B111_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	561	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B112_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	489	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B113_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	568	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B114_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	414	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B114_0.2-0.3	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	377	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B115_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	346	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B131_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	533	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B132_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	480	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B133_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	586	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B134_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	378	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
QC02A	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	419	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
QA02A	05 Nov 2025	ES2534818	-	-	-	-	-	-	-	<0.1	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.001
B135_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	421	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B136_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	477	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B137_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
QA04A	06 Nov 2025	ES2534940	-	-	-	-	-	-	-	<0.1	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.001
QC04A	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	363	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B138_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	367	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	0.0000
B139_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	509	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B139_0.2-0.3	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	533	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B140-0.0-0.1	27 Nov 2025	1298121	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	435	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B143_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	438	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B144_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	458	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B160_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	472	0.0000	0.0000	0.0000	0.0000	0.0000	0.0025	0.0025	0.0025	1	1	1	1	1	1	1	0.0005
B161_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	561	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B162_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	412	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B163_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	451	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B164_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B165_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	424	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B166_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B167_0.0-0.1	06 Nov 2025	1289715	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B168_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	518	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B169_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	471	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B170_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	455	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B171_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	422	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B172_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B179_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	430	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B180_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	431	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
TQA02	05 Nov 2025	ES2534818	-	-	-	-	-	-	-	<0.1	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.001
TQC02	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	327	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B181_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	354	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
QC01A	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	332	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
QA01A	05 Nov 2025	ES2534818	-	-	-	-	-	-	-	<0.1	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.001
B182_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	402	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B183_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	432	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B186_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	631	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B187_0.0-0.1	07 Nov 2025	1289832	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	425	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B203_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	555	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B204_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	606	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B205_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	383	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B223_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	506	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
TQA01	06 Nov 2025	ES2534940	-	-	-	-	-	-	-	<0.1	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.001
TQA01_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	456	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000
B236_0.0-0.1	05 Nov 2025	1289221	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	427	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1	1	1	1	1	1	1	0.0000

ANALYTICAL SUMMARY TABLE
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation , 235 Martin Road, Bradfield , Goodman

	Asbestos - Envirolab		Asbestos - Other					Biota	Moisture Content	Other			
	Asbestos ID in Soil	Asbestos (ACM >7mm) Estimation	Asbestos in soil (<7mm AF/FA)	APPROVED IDENTIFIER:	Asbestos (Trace)	Asbestos Type	Asbestos Containing Material	Description	Moisture Content	Moisture Content (dried @ 103°C)	Organic Fibre	Synthetic Mineral Fibre	Weight Used for % Calculation
	g/kg	g	g	-	Comment	-	g	-	%	%	g/kg	g/kg	g
EQL	0.1	0.0004	0.0004				0.1		1	1			0.1
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil													
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay													
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt													
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind													
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil													

Field ID	Date	Lab Report Number												
B001_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	12	-	-	-
B002_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	12	-	-	-
B003_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	17	-	-	-
B004_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	25	-	-	-
B005_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	14	-	-	-
B006_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	12	-	-	-
B007_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	10	-	-	-
B008_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	14	-	-	-
B009_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	16	-	-	-
B010_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	20	-	-	-
B011_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	19	-	-	-
B012_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	15	-	-	-
B013_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	15	-	-	-
B014_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	18	-	-	-
B015_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	16	-	-	-
B016_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	16	-	-	-
B017_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	16	-	-	-
QA05A	07 Nov 2025	ES2535032	0	<0.0004	<0.0004	1	0	1	<0.1	1	16.2	-	0	0	400
QC05A	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	16	-	-	-
B018_0-0.05	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	19	-	-	-
B018_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	16	-	-	-
B019_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	21	-	-	-
B020_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	23	-	-	-
B021_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	16	-	-	-
B022_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	22	-	-	-
QA01_20251106GB	06 Nov 2025	ES2534940	0	<0.0004	<0.0004	1	0	1	<0.1	1	29.2	-	1	0	385
QC01_20251106GB	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	22	-	-	-
B023_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	15	-	-	-
B024_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	18	-	-	-
B025_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	19	-	-	-
B026_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	13	-	-	-
QA02_20251106GB	06 Nov 2025	ES2534940	0	<0.0004	<0.0004	1	0	1	<0.1	1	25.3	-	1	0	500
QC02_20251106GB	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	12	-	-	-
B027_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	19	-	-	-
B028_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	15	-	-	-
B029_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	15	-	-	-
B030_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	20	-	-	-
B031_0.0-0.05	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	20	-	-	-
B032_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	19	-	-	-
B033_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	25	-	-	-
B034_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	19	-	-	-
B035_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	14	-	-	-
B036_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	24	-	-	-
QA01_20251107GB	07 Nov 2025	ES2535032	0	<0.0004	<0.0004	1	0	1	<0.1	1	21.2	-	0	0	383
QC01_20251107GB	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	23	-	-	-
B037_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	18	-	-	-
B038_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	16	-	-	-
B039_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	24	-	-	-
B040_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	26	-	-	-
B041_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	14	-	-	-
B042_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	17	-	-	-
B043_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	16	-	-	-
B044_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	20	-	-	-
B045_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	16	-	-	-
B046_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	13	-	-	-
B047_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	19	-	-	-
B048_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	16	-	-	-
B049_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	16	-	-	-
B050_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	15	-	-	-
B051_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	13	-	-	-
B052_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	23	-	-	-

ANALYTICAL SUMMARY TABLE
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation , 235 Martin Road, Bradfield , Goodman

	Asbestos - Envirolab		Asbestos - Other					Biota	Moisture Content	Other			
	Asbestos ID in Soil	Asbestos (ACM >7mm) Estimation	Asbestos in soil (<7mm AF/FA)	APPROVED IDENTIFIER:	Asbestos (Trace)	Asbestos Type	Asbestos Containing Material	Description	Moisture Content	Moisture Content (dried @ 103°C)	Organic Fibre	Synthetic Mineral Fibre	Weight Used for % Calculation
	g/kg	g	g	-	Comment	-	g	-	%	%	g/kg	g/kg	g
EQL	0.1	0.0004	0.0004				0.1		1	1			0.1
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil													
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay													
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt													
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind													
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil													

Field ID	Date	Lab Report Number												
B053_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	21	-	-	-
B054_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	16	-	-	-
B055_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	12	-	-	-
B056_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	17	-	-	-
B057_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	19	-	-	-
B058_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	22	-	-	-
B059_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	20	-	-	-
QA01GB	05 Nov 2025	ES2534818	0	<0.0004	<0.0004	1	0	1	<0.1	1	13.5	-	0	0	388
QA101_20251105GB	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	25	-	-	-
B060_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	17	-	-	-
B061_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	15	-	-	-
B062_0.01-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	15	-	-	-
B063_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	19	-	-	-
B064_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	19	-	-	-
B065_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	15	-	-	-
B066_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	16	-	-	-
B067_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	12	-	-	-
B068_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	19	-	-	-
B069_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	19	-	-	-
B070_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	31	-	-	-
B071_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	17	-	-	-
B072_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	22	-	-	-
B073_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	19	-	-	-
20251107_QA01TL	07 Nov 2025	ES2535032	0	<0.0004	<0.0004	1	0	1	<0.1	1	16.6	-	0	0	559
20251107_QC01TL	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	19	-	-	-
B074_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	13	-	-	-
B075_0–0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	15	-	-	-
B076_0–0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	14	-	-	-
B078_0–0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	12	-	-	-
B079_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	16	-	-	-
B080_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	15	-	-	-
B081_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	28	-	-	-
B082_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	22	-	-	-
B083_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	15	-	-	-
B084_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	30	-	-	-
B084_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	18	-	-	-
B084_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	34	-	-	-
TQA01	06 Nov 2025	ES2534940	0	<0.0004	<0.0004	1	0	1	<0.1	1	26.1	-	1	0	546
TQC01	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	34	-	-	-
B085_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	28	-	-	-
B086_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	22	-	-	-
TQA02	06 Nov 2025	ES2534940	0	<0.0004	<0.0004	1	0	1	<0.1	1	14.6	-	1	0	522
TQC02	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	21	-	-	-
B087_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	15	-	-	-
B088_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	27	-	-	-
B089_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	21	-	-	-
B90-0.0-0.1	27 Nov 2025	1298121	-	-	-	-	-	-	-	-	-	15	-	-	-
B091_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	15	-	-	-
B092_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	9.4	-	-	-
B093_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	17	-	-	-
B094_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	15	-	-	-
B095_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	15	-	-	-
B096_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	23	-	-	-
B097_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	18	-	-	-
B098_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	16	-	-	-
B099_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	20	-	-	-
B100_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	18	-	-	-
B101_0.0-01	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	22	-	-	-
B102_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	16	-	-	-
B103_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	19	-	-	-
B104_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	14	-	-	-
B104_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	38	-	-	-
B105_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	20	-	-	-
B106_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	34	-	-	-
B107_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	42	-	-	-
QA03A	06 Nov 2025	ES2534940	0	<0.0004	<0.0004	1	0	1	<0.1	1	37.6	-	1	0	331
QC03A	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	42	-	-	-
B108_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	26	-	-	-
B109-0.0-0.1	27 Nov 2025	1298121	-	-	-	-	-	-	-	-	-	12	-	-	-
B110_0.0-0.1	13 Nov 2025	1292931	-	-	-	-	-	-	-	-	-	35	-	-	-

ANALYTICAL SUMMARY TABLE
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation , 235 Martin Road, Bradfield , Goodman

	Asbestos - Envirolab		Asbestos - Other					Biota	Moisture Content	Other			
	Asbestos ID in Soil	Asbestos (ACM >7mm) Estimation	Asbestos in soil (<7mm AF/FA)	APPROVED IDENTIFIER:	Asbestos (Trace)	Asbestos Type	Asbestos Containing Material	Description	Moisture Content	Moisture Content (dried @ 103°C)	Organic Fibre	Synthetic Mineral Fibre	Weight Used for % Calculation
	g/kg	g	g	-	Comment	-	g	-	%	%	g/kg	g/kg	g
EQL	0.1	0.0004	0.0004				0.1		1	1			0.1
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil													
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay													
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt													
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind													
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil													
Field ID	**Date**	**Lab Report Number**											
B111_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	12	-	-	-
B112_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	24	-	-	-
B113_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	20	-	-	-
B114_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	19	-	-	-
B114_0.2-0.3	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	18	-	-	-
B115_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	16	-	-	-
B131_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	23	-	-	-
B132_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	19	-	-	-
B133_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	20	-	-	-
B134_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	20	-	-	-
QC02A	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	22	-	-	-
QA02A	05 Nov 2025	ES2534818	0	<0.0004	<0.0004	1	0	1	<0.1	1	21.4	-	0	0	379
B135_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	18	-	-	-
B136_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	24	-	-	-
B137_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	25	-	-	-
QA04A	06 Nov 2025	ES2534940	0	<0.0004	<0.0004	1	0	1	<0.1	1	32.1	-	1	0	330
QC04A	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	30	-	-	-
B138_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	13	-	-	-
B139_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	16	-	-	-
B139_0.2-0.3	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	24	-	-	-
B140-0.0-0.1	27 Nov 2025	1298121	-	-	-	-	-	-	-	-	-	17	-	-	-
B143_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	22	-	-	-
B144_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	13	-	-	-
B160_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	22	-	-	-
B161_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	16	-	-	-
B162_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	9.3	-	-	-
B163_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	23	-	-	-
B164_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	38	-	-	-
B165_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	18	-	-	-
B166_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	27	-	-	-
B167_0.0-0.1	06 Nov 2025	1289715	-	-	-	-	-	-	-	-	-	20	-	-	-
B168_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	26	-	-	-
B169_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	17	-	-	-
B170_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	16	-	-	-
B171_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	13	-	-	-
B172_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	14	-	-	-
B179_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	21	-	-	-
B180_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	21	-	-	-
TQA02	05 Nov 2025	ES2534818	0	<0.0004	<0.0004	1	0	1	<0.1	1	31.6	-	0	0	357
TQC02	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	25	-	-	-
B181_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	15	-	-	-
QC01A	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	22	-	-	-
QA01A	05 Nov 2025	ES2534818	0	<0.0004	<0.0004	1	0	1	<0.1	1	18.0	-	0	0	349
B182_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	18	-	-	-
B183_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	12	-	-	-
B186_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	9.1	-	-	-
B187_0.0-0.1	07 Nov 2025	1289832	-	-	-	-	-	-	-	-	-	15	-	-	-
B203_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	23	-	-	-
B204_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	20	-	-	-
B205_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	26	-	-	-
B223_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	17	-	-	-
TQA01	06 Nov 2025	ES2534940	0	<0.0004	<0.0004	1	0	1	<0.1	1	26.1	-	1	0	546
TQA01_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	31	-	-	-
B236_0.0-0.1	05 Nov 2025	1289221	-	-	-	-	-	-	-	-	-	10	-	-	-

ANALYTICAL SUMMARY TABLE
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation , 235 Martin Road, Bradfield , Goodman

	Asbestos - Envirolab		Asbestos - Other					Biota	Moisture Content	Other			
	Asbestos ID in Soil	Asbestos (ACM >7mm) Estimation	Asbestos in soil (<7mm AF/FA)	APPROVED IDENTIFIER:	Asbestos (Trace)	Asbestos Type	Asbestos Containing Material	Description	Moisture Content	Moisture Content (dried @ 103°C)	Organic Fibre	Synthetic Mineral Fibre	Weight Used for % Calculation
	g/kg	g	g	-	Comment	-	g	-	%	%	g/kg	g/kg	g
EQL	0.1	0.0004	0.0004				0.1		1	1			0.1
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil													
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay													
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt													
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind													
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil													

Field ID **Date** **Lab Report Number**

Comments
#1 No
#2 J. WILLIAMS
#3 -
#4 A soil sample.
#5 Nil
#6 Organic fibres detected.
#7 No trace asbestos detected.
#8 No asbestos detected at the reporting limit of 0.001% w/w.*Organic fibre detected.No trace asbestos detect
#9 C.OWLER
#10 A soil sample containing building debris.
#11 Yes
#12 No asbestos detected at the reporting limit of 0.01% w/w.Organic fibre detected.No trace asbestos detecte
#13 The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal
#14 ACM:Chrysotile and amosite asbestos detected in compressed fibre cement material.
#15 ACM:Chrysotile and amosite asbestos detected in compressed fibre cement material.Approximate raw weig
#16 >500ml
#17 AF:Chrysotile asbestos detected in the form of loose fibres.No asbestos detected at the reporting limit of 0.
#18 AF:Chrysotile asbestos detected in the form of loose fibres.Approximate raw weight of AF = 0.0025g*Estima
#19 B.SCHRADER
#20 Ch
#21 A soil sample containing two pieces of asbestos fibre board approximately 5x5x5mm.

Environmental Standards
NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil

Table H - Sampling Regime 2 - Eastern Farmland Area
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation

	Metals & Metalloids								TRHs (NEPC 2013)							BTEXN							
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Total BTEX	Naphthalene_VOC
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	2	0.4	2	5	5	0.1	2	5	10	50	100	100	50	10	50	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.5
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil	3,000	900	3,600	240,000	1,500	730	6,000	400,000															
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay														480	NL	4	NL	NL			NL		NL
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt														250	NL	4	NL	NL			NL		NL
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind	160		310	85	1,800		55	110															370
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																							
Field ID	**Date**	**Lab Report Number**																					
B057_0.0-0.1	07 Nov 2025	1289832	9.1	<0.4	18	31	25	<0.1	17	93	<20	<50	140	<100	140	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B076_0–0.1	07 Nov 2025	1289832	8.1	<0.4	19	21	22	<0.1	14	45	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B078_0–0.1	07 Nov 2025	1289832	6.7	<0.4	19	31	27	<0.1	18	80	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B079_0.0-0.1	07 Nov 2025	1289832	7	<0.4	15	25	23	<0.1	11	67	<20	<50	180	170	350	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B093_0.0-0.1	07 Nov 2025	1289832	21	<0.4	32	19	26	<0.1	14	53	<20	51	190	110	351	<20	51	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B094_0.0-0.1	07 Nov 2025	1289832	20	<0.4	32	22	25	<0.1	12	64	<20	<50	450	150	600	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B095_0.0-0.1	07 Nov 2025	1289832	13	<0.4	22	25	32	<0.1	16	51	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B096_0.0-0.1	07 Nov 2025	1289832	6.3	<0.4	19	31	28	<0.1	24	61	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B097_0.0-0.1	07 Nov 2025	1289832	9.5	<0.4	17	26	29	<0.1	17	50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B098_0.0-0.1	07 Nov 2025	1289832	10	<0.4[#13]	17	18	22	<0.1	9.3	32	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B112_0.0-0.1	07 Nov 2025	1289832	14	<0.4	19	19	21	<0.1	15	51	<20	<50	160	<100	160	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B113_0.0-0.1	07 Nov 2025	1289832	16	<0.4	22	29	29	<0.1	16	64	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B114_0.0-0.1	07 Nov 2025	1289832	22	<0.4	30	40	33	<0.1	16	71	<20	<50	120	<100	120	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B114_0.2-0.3	07 Nov 2025	1289832	8.8	<0.4	14	17	20	<0.1	12	29	<20	<50	100	<100	100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B115_0.0-0.1	07 Nov 2025	1289832	12	<0.4	20	23	19	<0.1	9.8	50	<20	<50	110	<100	110	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B116_0.0-0.1	10 Nov 2025	1290512	11	<0.4	16	19	21	<0.1	9.9	34	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
QA07A	10 Nov 2025	ES2535252	12	<1	21	25	23	<0.1	11	40	<10	<50	<100	<100	<50	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
QC07A	10 Nov 2025	1290512	12	<0.4	19	19	23	<0.1	11	35	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B117_0.0-0.1	10 Nov 2025	1290512	8	<0.4	20	26	19	<0.1	12	49	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B118_0.0-0.1	11 Nov 2025	1292929	9.9	<0.4	19	18	21	<0.1	8.6	29	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B120_0.0-0.1	11 Nov 2025	1292929	9.4	<0.4	24	9.5	17	<0.1	<5	9.2	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B121_0.0-0.1	11 Nov 2025	1292929	6.4	<0.4	16	12	16	<0.1	<5	13	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B122_0.0-0.1	11 Nov 2025	1292929	12	<0.4	27	13	31	<0.1	7	15	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B123_0.0-0.1	11 Nov 2025	1292929	13	<0.4	30	12	32	<0.1	7.2	12	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B124_0.0-0.1	11 Nov 2025	1292929	8.8	<0.4	25	8.1	25	<0.1	5.2	9.2	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B125_0.0-0.1	12 Nov 2025	1292928	7.4	<0.4	16	12	17	<0.1	6.1	19	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
QA11A	12 Nov 2025	ES2535613	11	<1	21	14	23	<0.1	7	24	<10	<50	<100	<100	<50	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
QC11A	12 Nov 2025	1292928	11	<0.4	22	14	22	<0.1	7.2	23	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B126_0.0-0.1	12 Nov 2025	1292928	11	<0.4	9.9	20	45	<0.1	6.9	38	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B127_0.0-0.1	12 Nov 2025	1292928	5.5	<0.4	11	17	15	<0.1	8	46	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B128_0.0-0.1	12 Nov 2025	1292928	5.4	<0.4	11	16	17	<0.1	7.4	46	<20	51	<100	<100	<100	<20	51	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B129_0.0-0.1	12 Nov 2025	1292928	4.2	<0.4	9.4	14	14	<0.1	8.6	34	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B130_0.0-0.1	12 Nov 2025	1292928	3.9	<0.4	12	23	16	<0.1	9.9	73	<20	790	1,900	540	3,230	<20	790	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B141_0.0-0.1	10 Nov 2025	1290512	11	<0.4	13	11	14	<0.1	8.5	26	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B142_0.0-0.1	10 Nov 2025	1290512	7.3	<0.4	15	25	18	<0.1	11	47	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B143_0.0-0.1	07 Nov 2025	1289832	8.3	<0.4	17	25	25	<0.1	13	44	<20	<50	120	<100	120	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B144_0.0-0.1	07 Nov 2025	1289832	9.1	<0.4	25	17	23	<0.1	8.7	30	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B145_0.0-0.1	10 Nov 2025	1290512	6.1	<0.4	12	16	19	<0.1	6.3	36	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B146_0.0-0.1	10 Nov 2025	1290512	13	<0.4	20	16	22	<0.1	8.7	37	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B147_0.0-0.1	11 Nov 2025	1292929	11	<0.4	20	16	24	<0.1	9.5	30	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B148_0.0-0.1	11 Nov 2025	1292929	8.7	<0.4	15	10	25	<0.1	<5	13	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B149_0.0-0.1	11 Nov 2025	1292929	6.7	<0.4	17	8.9	15	<0.1	5.2	14	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B150_0.0-0.1	11 Nov 2025	1292929	10	<0.4	19	11	25	<0.1	5.7	9.3	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B151_0.0-0.1	11 Nov 2025	1292929	8.9	<0.4	17	10	21	<0.1	7.3	13	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B152_0.0-0.1	11 Nov 2025	1292929	10	<0.4	24	9.3	29	<0.1	6.2	16	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
QA01_20251111GB	11 Nov 2025	ES2535462	7	<1	20	11	25	<0.1	5	19	<10	<50	<100	<100	<50	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
QC01_20251111GB	11 Nov 2025	1292929	15	<0.4	35	14	32	<0.1	5.5	24	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5

Table H - Sampling Regime 2 - Eastern Farmland Area
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation

				Metals & Metalloids								TRHs (NEPC 2013)							BTEXN							
				Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Total BTEX	Naphthalene_VOC
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				2	0.4	2	5	5	0.1	2	5	10	50	100	100	50	10	50	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.5
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil				3,000	900	3,600	240,000	1,500	730	6,000	400,000															
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																	480	NL	4	NL	NL	0.1	0.2	NL		NL
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																	250	NL	4	NL	NL			NL		NL
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind				160		310	85	1,800		55	110															370
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																										
Field ID	**Date**	**Lab Report Number**																								
B057_0.0-0.1	07 Nov 2025	1289832		9.1	<0.4	18	31	25	<0.1	17	93	<20	<50	140	<100	140	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B076_0–0.1	07 Nov 2025	1289832		8.1	<0.4	19	21	22	<0.1	14	45	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B153_0.0-0.1	12 Nov 2025	1292928		10	<0.4	26	10	24	<0.1	5.7	14	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B154_0.0-0.1	12 Nov 2025	1292928		5.8	<0.4	14	6.9	16	<0.1	5.1	14	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B154_0.3-0.4	12 Nov 2025	1292928		5.3	<0.4	10	6.2	11	<0.1	<5	7.2	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B155_0.0-0.1	12 Nov 2025	1292928		6.5	<0.4	13	16	21	<0.1	8	41	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B156_0.0-0.1	12 Nov 2025	1292928		5.4	<0.4	11	15	15	<0.1	7.7	29	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B157_0.0-0.1	12 Nov 2025	1292928		4.6	<0.4	9.8	13	14	<0.1	8.2	30	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B158_0.0-0.1	12 Nov 2025	1292928		5.7	<0.4	11	20	20	<0.1	10	62	<20	84	250	120	454	<20	84	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B159_0.0-0.1	12 Nov 2025	1292928		5.8	<0.4	11	25	16	<0.1	10	83	<20	64	220	150	434	<20	64	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B168_0.0-0.1	07 Nov 2025	1289832		8.6	<0.4	17	22	36	<0.1	10	290	<20	<50	150	<100	150	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B169_0.0-0.1	07 Nov 2025	1289832		14	<0.4	16	13	17	<0.1	9	43	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B170_0.0-0.1	07 Nov 2025	1289832		13	<0.4	18	19	21	<0.1	7.1	31	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B171_0.0-0.1	07 Nov 2025	1289832		11	<0.4	21	15	27	<0.1	10	36	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B172_0.0-0.1	07 Nov 2025	1289832		9.3	<0.4	25	17	20	<0.1	12	21	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B173_0.0-0.1	10 Nov 2025	1290512		9.1	<0.4	22	12	18	<0.1	6.2	17	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B174_0.0-0.1	10 Nov 2025	1290512		13	<0.4	22	13	25	<0.1	5.9	17	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B175_0.0-0.1	11 Nov 2025	1292929		17	<0.4	32	11	22	<0.1	5.1	18	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B176_0.0-0.1	11 Nov 2025	1292929		8.8	<0.4	18	13	23	<0.1	5.5	17	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B177_0.0-0.1	11 Nov 2025	1292929		9.7	<0.4	19	12	24	<0.1	7.2	11	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B178_0.0-0.1	11 Nov 2025	1292929		9.5	<0.4	22	9.5	22	<0.1	5.4	13	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B183_0.0-0.1	07 Nov 2025	1289832		9.2	<0.4	12	34	15	<0.1	20	71	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B184_0.0-0.1	10 Nov 2025	1290512		11	<0.4	18	17	18	<0.1	7	24	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B185_0.0-0.1	10 Nov 2025	1290512		14	<0.4	20	16	22	<0.1	<5	44	<20	<50	320	160	480	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B186_0.0-0.1	07 Nov 2025	1289832		15	<0.4	31	8.1	19	<0.1	<5	12	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B187_0.0-0.1	07 Nov 2025	1289832		4.3	<0.4	10	9.6	13	<0.1	<5	29	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B188_0.0-0.1	10 Nov 2025	1290512		2.7	<0.4	9.4	15	14	<0.1	5.9	45	<20	<50	130	<100	130	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B189_0.0-0.1	10 Nov 2025	1290512		2.6	<0.4	9.6	16	14	<0.1	5.6	38	<20	<50	210	<100	210	<20	<50	<0.1	0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B190_0.0-0.1	11 Nov 2025	1292929		5.8	<0.4	14	17	14	<0.1	9	60	<20	<50	200	130	330	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
QA09A	11 Nov 2025	ES2535462		6	<1	19	21	17	<0.1	13	54	<10	<50	120	<100	120	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
QC09A	11 Nov 2025	1292929		4.6	<0.4	12	14	13	<0.1	6.7	44	<20	<50	410	210	620	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B191_0.0-0.1	12 Nov 2025	1292928		5.8	<0.4	18	17	12	<0.1	7.3	16	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B192_0.0-0.1	12 Nov 2025	1292928		4.9	<0.4	14	11	19	<0.1	<5	24	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B193_0.0-0.1	12 Nov 2025	1292928		6.9	<0.4	20	17	15	<0.1	5.2	13	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B194_0.0-0.1	12 Nov 2025	1292928		8.1	<0.4	22	13	20	<0.1	5.3	11	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B195_0.0-0.1	12 Nov 2025	1292928		8.5	<0.4	23	12	27	<0.1	6.6	20	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B196_0.0-0.1	12 Nov 2025	1292928		7.3	<0.4	20	17	48	0.1	5.3	29	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B197_0.0-0.1	12 Nov 2025	1292928		5	<0.4	13	12	19	<0.1	5.9	24	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B198_0.0-0.1	12 Nov 2025	1292928		9.3	<0.4	24	14	22	<0.1	6.7	18	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B199_0.0-0.1	12 Nov 2025	1292928		5.7	<0.4	14	25	19	<0.1	12	69	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B200_0.0-0.1	12 Nov 2025	1292928		7.8	<0.4	19	21	18	<0.1	8	28	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B201_0.0-0.1	12 Nov 2025	1292928		7.3	<0.4	16	13	21	<0.1	6.8	24	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B202_0.0-0.1	12 Nov 2025	1292928		5.3	<0.4	11	22	19	<0.1	9.7	77	<20	<50	230	170	400	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B206_0.0-0.1	10 Nov 2025	1290512		9.9	0.7	16	22	25	0.2	14	59	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B206_0.3-0.4	10 Nov 2025	1290512		7.2	<0.4	13	19	19	<0.1	20	47	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
QA01_20251110GB	10 Nov 2025	ES2535252		8	<1	15	22	21	<0.1	12	49	<10	<50	<100	<100	<50	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
QC01_20251110GB	10 Nov 2025	1290512		8.2	<0.4	15	23	22	<0.1	13	64	<20	<50	110	<100	110	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B207_0.0-0.1	10 Nov 2025	1290512		52	0.8	35	40	160	0.1	10	240	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B208_0.0-0.1	10 Nov 2025	1290512		7.7	<0.4	13	22	28	<0.1	8.1	71	<20	81	250	210	541	<20	81	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B208_0.2-0.3	10 Nov 2025	1290512		14	0.6	23	21	25	0.2	11	44	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B209_0.0-0.1	10 Nov 2025	1290512		8	<0.4	20	17	22	<0.1	8.8	31	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B210_0.0-0.1	10 Nov 2025	1290512		4.9	<0.4	15	32	20	<0.1	14	89	<20	<50	140	<100	140	<20	<50	<0.1	0.3	<0.1	<0.1	<0.2	<0.3	-	<0.5
B211_0.0-0.1	10 Nov 2025	1290512		13	<0.4	25	21	35	<0.1	12	61	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B212_0.0-0.1	10 Nov 2025	1290512		9.9	<0.4	21	17	25	<0.1	8.8	21	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5

Table H - Sampling Regime 2 - Eastern Farmland Area
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation

	Metals & Metalloids								TRHs (NEPC 2013)							BTEXN							
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Total BTEX	Naphthalene_VOC
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	2	0.4	2	5	5	0.1	2	5	10	50	100	100	50	10	50	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.5
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil	3,000	900	3,600	240,000	1,500	730	6,000	400,000															
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay														480	NL	4	NL	NL			NL		NL
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt														250	NL	4	NL	NL			NL		NL
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind	160		310	85	1,800		55	110															370
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																							
Field ID	**Date**	**Lab Report Number**																					
B057_0.0-0.1	07 Nov 2025	1289832	9.1	<0.4	18	31	25	<0.1	17	93	<20	<50	140	<100	140	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B076_0–0.1	07 Nov 2025	1289832	8.1	<0.4	19	21	22	<0.1	14	45	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B213_0.0-0.1	11 Nov 2025	1292929	10	<0.4	19	8.1	17	<0.1	<5	15	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B214_0.0-0.1	12 Nov 2025	1292928	7	<0.4	20	16	13	<0.1	6.2	13	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B215_0.0-0.1	12 Nov 2025	1292928	6.4	<0.4	15	11	22	<0.1	5.5	20	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B216-0-0.1	12 Nov 2025	1292928	6.1	<0.4	15	7.9	16	<0.1	<5	17	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B217_0.0-0.1	11 Nov 2025	1292929	13	<0.4	28	9.6	27	<0.1	5.4	9.5	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B218-0-0.1	12 Nov 2025	1292928	5.7	<0.4	9.9	16	15	<0.1	9.5	37	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B219_0.0-0.1	11 Nov 2025	1292929	17	<0.4	25	14	24	<0.1	6.4	34	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B219_0.0-0.1	12 Nov 2025	1292928	8.8	<0.4	25	17	17	<0.1	12	41	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B219_0.3-0.4	12 Nov 2025	1292928	6	<0.4	12	17	16	<0.1	11	39	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B220_0.0-0.1	12 Nov 2025	1292928	5.1	<0.4	11	14	16	<0.1	8	30	<20	<50	<100	150	150	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
QA01_20251112GB	12 Nov 2025	ES2535613	5	<1	12	14	16	<0.1	8	27	<10	<50	<100	<100	<50	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
QC01_20251112GB	12 Nov 2025	1292928	6.7	<0.4	14	15	19	<0.1	8.5	28	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B221_0.0-0.1	12 Nov 2025	1292928	5.4	<0.4	12	18	18	<0.1	12	46	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B222_0.0-0.1	12 Nov 2025	1292928	6.2	<0.4	15	16	19	<0.1	9.6	29	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B224_0.0-0.1	10 Nov 2025	1290512	8.4	<0.4	15	18	18	<0.1	8.1	49	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B225_0.0-0.1	10 Nov 2025	1290512	6	<0.4	10	22	17	<0.1	8.1	66	<20	<50	110	<100	110	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B226_0.0-0.1	10 Nov 2025	1290512	8.3	<0.4	26	17	26	<0.1	12	48	<20	73	<100	<100	<100	<20	73	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B227_0.0-0.1	10 Nov 2025	1290512	9	<0.4	24	17	21	<0.1	8.8	34	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B228_0.0-0.1	10 Nov 2025	1290512	13	<0.4	19	23	23	<0.1	14	40	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B229_0.0-0.1	11 Nov 2025	1292929	11	<0.4	17	15	17	<0.1	8.3	26	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B230_0.0-0.1	11 Nov 2025	1292929	6	<0.4	13	5.6	11	<0.1	<5	7.4	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B231_0.0-0.1	11 Nov 2025	1292929	8.9	<0.4	14	8.9	19	<0.1	<5	9	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B232_0.0-0.1	11 Nov 2025	1292929	8.2	<0.4	16	14	21	<0.1	6	15	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B233_0.0-0.1	11 Nov 2025	1292929	8.5	<0.4	14	12	20	<0.1	6.4	20	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B234_0.0-0.1	12 Nov 2025	1292928	6.5	<0.4	13	14	19	<0.1	8.1	28	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B235_0.0-0.1	12 Nov 2025	1292928	5	<0.4	10	9.8	14	<0.1	5.6	17	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B237_0.0-0.1	10 Nov 2025	1290512	7.5	<0.4	16	24	24	<0.1	13	84	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B238_0.0-0.1	10 Nov 2025	1290512	11	<0.4	23	30	26	<0.1	16	120	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B239_0.0-0.1	10 Nov 2025	1290512	9.8	<0.4	29	20	31	<0.1	14	42	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B240_0.0-0.1	10 Nov 2025	1290512	15	<0.4	32	23	38	<0.1	15	50	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B241_0.0-0.1	10 Nov 2025	1290512	7.9	<0.4	24	21	27	<0.1	15	46	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B242_0.0-0.1	10 Nov 2025	1290512	13	<0.4	22	27	28	<0.1	21	61	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B243_0.0-0.1	11 Nov 2025	1292929	12	<0.4	21	15	24	<0.1	7.6	26	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B244_0.0-0.1	11 Nov 2025	1292929	9.2	<0.4	18	10	19	<0.1	<5	13	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B245_0.0-0.1	11 Nov 2025	1292929	5.5	<0.4	9.4	12	13	<0.1	8.9	28	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B246_0.0-0.1	11 Nov 2025	1292929	4.5	<0.4	13	16	15	<0.1	7.5	27	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B247_0.0-0.1	11 Nov 2025	1292929	6.5	<0.4	12	11	21	<0.1	6	18	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B248_0.0-0.1	11 Nov 2025	1292929	6.7	<0.4	13	14	20	<0.1	6	29	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B248_0.0-0.1	12 Nov 2025	1292928	5.3	<0.4	9.7	12	16	<0.1	7.2	32	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B249_0.0-0.1	12 Nov 2025	1292928	5.6	<0.4	9.4	11	15	<0.1	5.9	22	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B250_0.0-0.1	10 Nov 2025	1290512	14	<0.4	21	27	22	<0.1	15	68	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B251_0.0-0.1	10 Nov 2025	1290512	15	<0.4	30	28	32	<0.1	17	73	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B252_0.0-0.1	10 Nov 2025	1290512	13	<0.4	27	22	31	<0.1	14	55	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B253_0.0-0.1	10 Nov 2025	1290512	12	<0.4	19	30	29	<0.1	14	92	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B254_0.0-0.1	10 Nov 2025	1290512	14	<0.4	25	31	32	<0.1	19	79	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B255_0.0-0.1	11 Nov 2025	1292929	10	<0.4	23	16	22	<0.1	8.2	31	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B256_0.0-0.1	12 Nov 2025	1292928	6	<0.4	14	12	22	<0.1	5.9	27	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
20251112_QA01TL	12 Nov 2025	ES2535613	7	<1	16	12	22	<0.1	6	27	<10	<50	<100	<100	<50	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
20251112_QC01TL	12 Nov 2025	1292928	6.8	<0.4	13	13	32	<0.1	7.1	26	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5

Table H - Sampling Regime 2 - Eastern Farmland Area
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation

	Metals & Metalloids								TRHs (NEPC 2013)							BTEXN							
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	C6-C10	C10-C16	C16-C34	C34-C40	C10-C40 (Sum of total)	F1 (C6-C10 minus BTEX)	F2 (C10-C16 less Naphthalene)	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Total BTEX	Naphthalene_VOC
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	2	0.4	2	5	5	0.1	2	5	10	50	100	100	50	10	50	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.5
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil	3,000	900	3,600	240,000	1,500	730	6,000	400,000															
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay														480	NL	4	NL	NL			NL		NL
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt														250	NL	4	NL	NL			NL		NL
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind	160		310	85	1,800		55	110															370
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																							
Field ID	**Date**	**Lab Report Number**																					
B057_0.0-0.1	07 Nov 2025	1289832	9.1	<0.4	18	31	25	<0.1	17	93	<20	<50	140	<100	140	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B076_0–0.1	07 Nov 2025	1289832	8.1	<0.4	19	21	22	<0.1	14	45	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B257_0.0-0.1	10 Nov 2025	1290512	12	<0.4	26	31	43	<0.1	13	100	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B258_0.0-0.1	10 Nov 2025	1290512	10	<0.4	19	18	24	<0.1	11	39	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B259_0.0-0.1	11 Nov 2025	1292929	16	<0.4	26	12	24	<0.1	7.7	27	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B260_0.0-0.1	11 Nov 2025	1292929	14	<0.4	29	13	30	<0.1	6.7	27	<20	<50	180	<100	180	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B261_0.0-0.1	11 Nov 2025	1292929	10	<0.4	23	12	26	<0.1	7.3	44	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B262_0.0-0.1	11 Nov 2025	1292929	4.3	<0.4	9.9	9.5	14	<0.1	<5	24	<20	<50	150	<100	150	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B262_0.2-0.3	11 Nov 2025	1292929	5.8	<0.4	13	12	12	<0.1	<5	12	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B263_0.0-0.1	11 Nov 2025	1292929	4.2	<0.4	11	10	14	<0.1	<5	25	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B264_0.0-0.1	11 Nov 2025	1292929	7.9	<0.4	14	11	20	<0.1	6.1	21	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B265_0.0-0.1	10 Nov 2025	1290512	9	<0.4	18	19	24	<0.1	8.4	59	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B266_0.0-0.1	10 Nov 2025	1290512	8.7	<0.4	16	15	21	<0.1	11	34	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B267_0.0-0.1	11 Nov 2025	1292929	13	<0.4	21	14	22	<0.1	8.4	28	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B268_0.0-0.1	11 Nov 2025	1292929	13	<0.4	30	15	38	<0.1	7.7	11	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B269_0.0-0.1	11 Nov 2025	1292929	12	<0.4	28	9.3	37	<0.1	7	12	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B270_0.0-0.1	11 Nov 2025	1292929	12	<0.4	27	9.2	28	<0.1	<5	20	<20	<50	110	<100	110	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B271_0.0-0.1	10 Nov 2025	1290512	8	<0.4	22	9.3	20	<0.1	<5	18	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B272_0.0-0.1	10 Nov 2025	1290512	8.7	<0.4	19	19	24	<0.1	12	46	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B273_0.0-0.1	10 Nov 2025	1290512	14	<0.4	21	14	22	<0.1	7	26	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B274_0.0-0.1	10 Nov 2025	1290512	9	<0.4	19	12	23	<0.1	8.3	25	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B275_0.0-0.1	11 Nov 2025	1292929	12	<0.4	21	11	28	<0.1	8.3	18	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B276_0.0-0.1	11 Nov 2025	1292929	12	<0.4	22	11	26	<0.1	6.8	16	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B277_0.0-0.1	10 Nov 2025	1290512	11	<0.4	25	8.5	29	<0.1	<5	11	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B278_0.0-0.1	10 Nov 2025	1290512	8	<0.4	20	17	23	<0.1	11	46	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B279_0.0-0.1	10 Nov 2025	1290512	12	<0.4	18	19	13	<0.1	<5	19	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B280_0.0-0.1	10 Nov 2025	1290512	12	<0.4	17	16	18	<0.1	7.2	29	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B281_0.0-0.1	11 Nov 2025	1292929	7.7	<0.4	14	7.4	16	<0.1	<5	17	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
20251111_QA01TL	11 Nov 2025	ES2535462	12	<1	20	10	31	<0.1	7	11	<10	<50	<100	<100	<50	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
20251111_QC01TL	11 Nov 2025	1292929	13	<0.4	27	8.9	22	<0.1	<5	11	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B282_0.0-0.1	10 Nov 2025	1290512	12	<0.4	29	9.2	30	<0.1	5.2	15	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B283_0.0-0.1	10 Nov 2025	1290512	5.1	<0.4	21	16	23	<0.1	13	42	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
20251110_QA01TL	10 Nov 2025	ES2535252	11	<1	24	18	25	<0.1	13	41	<10	<50	<100	<100	<50	<10	<50	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<1
20251110_QC01TL	10 Nov 2025	1290512	12	<0.4	22	17	27	<0.1	12	41	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B284_0.0-0.1	10 Nov 2025	1290512	16	<0.4	17	12	18	<0.1	6.1	17	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B285_0-0.1	10 Nov 2025	1290512	16	<0.4	22	25	24	<0.1	9.5	38	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B286_0-0.1	10 Nov 2025	1290512	12	<0.4	25	17	25	<0.1	13	41	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B287_0-0.1	10 Nov 2025	1290512	7.3	<0.4	18	5.8	20	<0.1	<5	7.4	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B288_0.0-0.1	10 Nov 2025	1290512	6.6	<0.4	17	8.6	21	<0.1	<5	16	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B289_0-0.1	10 Nov 2025	1290512	11	<0.4	27	10	29	<0.1	6.6	14	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
B290_0-0.1	10 Nov 2025	1290512	11	<0.4	24	10	34	<0.1	7.7	16	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5
Drum_0.0-0.1	12 Nov 2025	1292928	6.4	<0.4	14	18	21	<0.1	8.8	45	<20	<50	<100	<100	<100	<20	<50	<0.1	<0.1	<0.1	<0.1	<0.2	<0.3	-	<0.5

Comments
#1 No
#2 J. WILLIAMS
#3 -
#4 A soil sample.
#5 Nil
#6 Organic fibres detected.
#7 No trace asbestos detected.
#8 No asbestos detected at the reporting limit of 0.001% w/w.*Organic fibre detected.No trace asbestos detected.
#9 C.OWLER
#10 A soil sample containing building debris.
#11 Yes
#12 No asbestos detected at the reporting limit of 0.01% w/w.Organic fibre detected.No trace asbestos detected.
#13 The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.
#14 ACM:Chrysotile and amosite asbestos detected in compressed fibre cement material.
#15 ACM:Chrysotile and amosite asbestos detected in compressed fibre cement material.Approximate raw weight of ACM = 0.89gTotal estimated asbestos content in ACM = 0.13g*Total estimated asbestos concentration in ACM = 0.033% w/w*Organic fibre detected.No trace asbestos detected.
#16 >500ml
#17 AF:Chrysotile asbestos detected in the form of loose fibres.No asbestos detected at the reporting limit of 0.001% w/w.*
#18 AF:Chrysotile asbestos detected in the form of loose fibres.Approximate raw weight of AF = 0.0025g*Estimated asbestos content in AF = 0.0025g*Total estimated asbestos concentration in AF = 0.00053% w/w*No asbestos detected at the reporting limit of 0.001% w/w.*Organic fibre detected.No trace asbestos detected.
#19 B.SCHRADER
#20 Ch
#21 A soil sample containing two pieces of asbestos fibre board approximately 5x5x5mm.

Environmental Standards
NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil

Table H - Sampling Regime 2 - Eastern Farmland Area
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation

	PAH																				Polychlorinated Biphenyls							
	Acenaphthene	Acenaphthylene	Anthracene	Benz[a]anthracene	Benzo[a]pyrene	Benzo[a]pyrene TEQ (LOR)	Benzo[a]pyrene TEQ calc (Half)	Benzo[a]pyrene TEQ calc (Zero)	Benzo[b+j]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-c,d]pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil						40	40	40												4,000								7
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																	NL											
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																	NL											
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																	370											
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																												

Field ID	Date	Lab Report Number																											
B057_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B076_0–0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B078_0–0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B079_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B093_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B094_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B095_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B096_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B097_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B098_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B112_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B113_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B114_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B114_0.2-0.3	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B115_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B116_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
QA07A	10 Nov 2025	ES2535252	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	<0.1
QC07A	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B117_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B118_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B120_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B121_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B122_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B123_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B124_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B125_0.0-0.1	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
QA11A	12 Nov 2025	ES2535613	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	<0.1
QC11A	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B126_0.0-0.1	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	0.6	1.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B127_0.0-0.1	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B128_0.0-0.1	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B129_0.0-0.1	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B130_0.0-0.1	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<1	<1	<1
B141_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B142_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B143_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B144_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B145_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B146_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B147_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B148_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B149_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B150_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B151_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B152_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
QA01_20251111GB	11 Nov 2025	ES2535462	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	<0.1
QC01_20251111GB	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Table H - Sampling Regime 2 - Eastern Farmland Area
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation

				PAH																		Polychlorinated Biphenyls							
				Acenaphthene	Acenaphthylene	Anthracene	Benz[a]anthracene	Benzo[a]pyrene	Benzo[a]pyrene TEQ (LOR)	Benzo[a]pyrene TEQ calc (Half)	Benzo[a]pyrene TEQ calc (Zero)	Benzo[b+j]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-c,d]pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	PCBs (Sum of total)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil									40	40	40											4,000								7
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																				NL										
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																				NL										
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																				370										
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																														
Field ID	**Date**	**Lab Report Number**																												
B057_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B076_0–0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B153_0.0-0.1	12 Nov 2025	1292928		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B154_0.0-0.1	12 Nov 2025	1292928		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B154_0.3-0.4	12 Nov 2025	1292928		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B155_0.0-0.1	12 Nov 2025	1292928		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B156_0.0-0.1	12 Nov 2025	1292928		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B157_0.0-0.1	12 Nov 2025	1292928		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B158_0.0-0.1	12 Nov 2025	1292928		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B159_0.0-0.1	12 Nov 2025	1292928		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B168_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B169_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B170_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B171_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B172_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B173_0.0-0.1	10 Nov 2025	1290512		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B174_0.0-0.1	10 Nov 2025	1290512		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B175_0.0-0.1	11 Nov 2025	1292929		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B176_0.0-0.1	11 Nov 2025	1292929		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B177_0.0-0.1	11 Nov 2025	1292929		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B178_0.0-0.1	11 Nov 2025	1292929		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B183_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B184_0.0-0.1	10 Nov 2025	1290512		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B185_0.0-0.1	10 Nov 2025	1290512		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B186_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B187_0.0-0.1	07 Nov 2025	1289832		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B188_0.0-0.1	10 Nov 2025	1290512		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B189_0.0-0.1	10 Nov 2025	1290512		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B190_0.0-0.1	11 Nov 2025	1292929		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
QA09A	11 Nov 2025	ES2535462		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	<0.1
QC09A	11 Nov 2025	1292929		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B191_0.0-0.1	12 Nov 2025	1292928		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B192_0.0-0.1	12 Nov 2025	1292928		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B193_0.0-0.1	12 Nov 2025	1292928		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B194_0.0-0.1	12 Nov 2025	1292928		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B195_0.0-0.1	12 Nov 2025	1292928		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B196_0.0-0.1	12 Nov 2025	1292928		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B197_0.0-0.1	12 Nov 2025	1292928		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B198_0.0-0.1	12 Nov 2025	1292928		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B199_0.0-0.1	12 Nov 2025	1292928		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B200_0.0-0.1	12 Nov 2025	1292928		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B201_0.0-0.1	12 Nov 2025	1292928		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B202_0.0-0.1	12 Nov 2025	1292928		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B206_0.0-0.1	10 Nov 2025	1290512		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B206_0.3-0.4	10 Nov 2025	1290512		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
QA01_20251110GB	10 Nov 2025	ES2535252		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	<0.1
QC01_20251110GB	10 Nov 2025	1290512		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B207_0.0-0.1	10 Nov 2025	1290512		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B208_0.0-0.1	10 Nov 2025	1290512		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B208_0.2-0.3	10 Nov 2025	1290512		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B209_0.0-0.1	10 Nov 2025	1290512		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B210_0.0-0.1	10 Nov 2025	1290512		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B211_0.0-0.1	10 Nov 2025	1290512		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B212_0.0-0.1	10 Nov 2025	1290512		<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Table H - Sampling Regime 2 - Eastern Farmland Area
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation

	PAH																				Polychlorinated Biphenyls							
	Acenaphthene	Acenaphthylene	Anthracene	Benz[a]anthracene	Benzo[a]pyrene	Benzo[a]pyrene TEQ (LOR)	Benzo[a]pyrene TEQ calc (Half)	Benzo[a]pyrene TEQ calc (Zero)	Benzo[b+j]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-c,d]pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil						40	40	40												4,000								7
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																	NL											
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																	NL											
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																	370											
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																												

Field ID	Date	Lab Report Number																											
B057_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B076_0–0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B213_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B214_0.0-0.1	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B215_0.0-0.1	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B216-0-0.1	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B217_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B218-0-0.1	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B219_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B219_0.0-0.1	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B219_0.3-0.4	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B220_0.0-0.1	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
QA01_20251112GB	12 Nov 2025	ES2535613	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	<0.1
QC01_20251112GB	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B221_0.0-0.1	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B222_0.0-0.1	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B224_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B225_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B226_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B227_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B228_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B229_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B230_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B231_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B232_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B233_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B234_0.0-0.1	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B235_0.0-0.1	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B237_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B238_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B239_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B240_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B241_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B242_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B243_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B244_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B245_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B246_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B247_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B248_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B248_0.0-0.1	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B249_0.0-0.1	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B250_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B251_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	0.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B252_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B253_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B254_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B255_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B256_0.0-0.1	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
20251112_QA01TL	12 Nov 2025	ES2535613	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	<0.1
20251112_QC01TL	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Table H - Sampling Regime 2 - Eastern Farmland Area
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation

	PAH																				Polychlorinated Biphenyls							
	Acenaphthene	Acenaphthylene	Anthracene	Benz[a]anthracene	Benzo[a]pyrene	Benzo[a]pyrene TEQ (LOR)	Benzo[a]pyrene TEQ calc (Half)	Benzo[a]pyrene TEQ calc (Zero)	Benzo[b+j]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil						40	40	40												4,000								7
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																	NL											
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																	NL											
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																	370											
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil																												

Field ID	Date	Lab Report Number																											
B057_0.0-0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B076_0–0.1	07 Nov 2025	1289832	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B257_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B258_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B259_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B260_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B261_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B262_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B262_0.2-0.3	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B263_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B264_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B265_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B266_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B267_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B268_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B269_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B270_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B271_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B272_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B273_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B274_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B275_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B276_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B277_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B278_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B279_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B280_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B281_0.0-0.1	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
20251111_QA01TL	11 Nov 2025	ES2535462	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	<0.1
20251111_QC01TL	11 Nov 2025	1292929	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B282_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B283_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
20251110_QA01TL	10 Nov 2025	ES2535252	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	<0.1
20251110_QC01TL	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B284_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B285_0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B286_0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B287_0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B288_0.0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B289_0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B290_0-0.1	10 Nov 2025	1290512	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Drum_0.0-0.1	12 Nov 2025	1292928	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Comments
#1 No
#2 J. WILLIAMS
#3 -
#4 A soil sample.
#5 Nil
#6 Organic fibres detected.
#7 No trace asbestos detected.
#8 No asbestos detected at the reporting limit of 0.001% w/w.*Organic fibre detected.No trace asbestos detected.
#9 C.OWLER
#10 A soil sample containing building debris.
#11 Yes
#12 No asbestos detected at the reporting limit of 0.01% w/w.Organic fibre detected.No trace asbestos detected.
#13 The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Qua
#14 ACM:Chrysotile and amosite asbestos detected in compressed fibre cement material.
#15 ACM:Chrysotile and amosite asbestos detected in compressed fibre cement material.Approximate raw weight o
#16 >500ml
#17 AF:Chrysotile asbestos detected in the form of loose fibres.No asbestos detected at the reporting limit of 0.001
#18 AF:Chrysotile asbestos detected in the form of loose fibres.Approximate raw weight of AF = 0.0025g*Estimated
#19 B.SCHRADER
#20 Ch
#21 A soil sample containing two pieces of asbestos fibre board approximately 5x5x5mm.

Environmental Standards
NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil

Table H - Sampling Regime 2 - Eastern Farmland Area
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation

				Asbestos - Eurofins																Asbestos - Envirolab		Asbestos - Other					Biota	Other			
				Approximate Sample Mass	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass asbestos in AF	Mass Asbestos in FA & AF	ACM - Comment	FA- Comment	AF - Comment	Organic Fibres - Comment	Respirable Fibres - Comment	Synthetic Fibres - Comment	Asbestos Reported Result	Asbestos FA & AF in Soil	Asbestos ID in Soil	Asbestos (ACM>7mm) Estimation	Asbestos in soil (<7mm AF/FA)	APPROVED IDENTIFIER:	Asbestos (Trace)	Asbestos Type	Asbestos Containing Material	Description	Moisture Content (dried @ 103°C)	Organic Fibre	Synthetic Mineral Fibre	Weight Used for % Calculation
				g	g	g	% (w/w)	g	g	g	g	g	Comment	Comment	Comment	Comment	Comment	Comment	Comment	% (w/w)	g/kg	g	g	-	Comment	-	g	--	%	g/kg	g/kg	g
EQL							0.01													0.001	0.1	0.0004	0.0004				0.1		1			0.1
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil																															
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																															
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																															
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																															
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil							0.05													0.001											
Field ID	**Date**	**Lab Report Number**																													
B057_0.0-0.1	07 Nov 2025	1289832	435	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	19	-	-	-
B076_0–0.1	07 Nov 2025	1289832	584	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	14	-	-	-
B078_0–0.1	07 Nov 2025	1289832	435	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	12	-	-	-
B079_0.0-0.1	07 Nov 2025	1289832	244	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	16	-	-	-
B093_0.0-0.1	07 Nov 2025	1289832	410	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	17	-	-	-
B094_0.0-0.1	07 Nov 2025	1289832	391	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	15	-	-	-
B095_0.0-0.1	07 Nov 2025	1289832	423	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	15	-	-	-
B096_0.0-0.1	07 Nov 2025	1289832	426	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	23	-	-	-
B097_0.0-0.1	07 Nov 2025	1289832	451	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	18	-	-	-
B098_0.0-0.1	07 Nov 2025	1289832	453	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	16	-	-	-
B112_0.0-0.1	07 Nov 2025	1289832	489	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	24	-	-	-
B113_0.0-0.1	07 Nov 2025	1289832	568	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	20	-	-	-
B114_0.0-0.1	07 Nov 2025	1289832	414	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	19	-	-	-
B114_0.2-0.3	07 Nov 2025	1289832	377	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	18	-	-	-
B115_0.0-0.1	07 Nov 2025	1289832	346	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	16	-	-	-
B116_0.0-0.1	10 Nov 2025	1290512	345	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	12	-	-	-
QA07A	10 Nov 2025	ES2535252	401	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	0[#1]	<0.0004	<0.0004	1[#2]	0[#1]	1[#3]	<0.1	1[#4]	11.7	0[#1]	0[#1]	401
QC07A	10 Nov 2025	1290512	415	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	12	-	-	-
B117_0.0-0.1	10 Nov 2025	1290512	343	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	19	-	-	-
B118_0.0-0.1	11 Nov 2025	1292929	533	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	14	-	-	-
B120_0.0-0.1	11 Nov 2025	1292929	548	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	6.4	-	-	-
B121_0.0-0.1	11 Nov 2025	1292929	277	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	10	-	-	-
B122_0.0-0.1	11 Nov 2025	1292929	408	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	13	-	-	-
B123_0.0-0.1	11 Nov 2025	1292929	340	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	16	-	-	-
B124_0.0-0.1	11 Nov 2025	1292929	537	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	11	-	-	-
B125_0.0-0.1	12 Nov 2025	1292928	460	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	14	-	-	-
QA11A	12 Nov 2025	ES2535613	503	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	0[#1]	<0.0004	<0.0004	1[#9]	0[#1]	1[#3]	<0.1	1[#10]	17.4	1[#11]	1[#11]	503
QC11A	12 Nov 2025	1292928	501	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	13	-	-	-
B126_0.0-0.1	12 Nov 2025	1292928	405	0.8933	0.134	0.0331	0	0	0	0	0	0	1[#14]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#15]	0	-	-	-	-	-	-	-	-	9.5	-	-	-
B127_0.0-0.1	12 Nov 2025	1292928	476	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	16	-	-	-
B128_0.0-0.1	12 Nov 2025	1292928	435	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	16	-	-	-
B129_0.0-0.1	12 Nov 2025	1292928	438	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	19	-	-	-
B130_0.0-0.1	12 Nov 2025	1292928	230	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	18	-	-	-
B141_0.0-0.1	10 Nov 2025	1290512	370	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	14	-	-	-
B142_0.0-0.1	10 Nov 2025	1290512	483	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	14	-	-	-
B143_0.0-0.1	07 Nov 2025	1289832	438	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	22	-	-	-
B144_0.0-0.1	07 Nov 2025	1289832	458	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	13	-	-	-
B145_0.0-0.1	10 Nov 2025	1290512	402	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	12	-	-	-
B146_0.0-0.1	10 Nov 2025	1290512	530	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	12	-	-	-
B147_0.0-0.1	11 Nov 2025	1292929	447	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	20	-	-	-
B148_0.0-0.1	11 Nov 2025	1292929	349	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	9	-	-	-
B149_0.0-0.1	11 Nov 2025	1292929	450	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	8.9	-	-	-
B150_0.0-0.1	11 Nov 2025	1292929	399	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	8.6	-	-	-
B151_0.0-0.1	11 Nov 2025	1292929	305	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	13	-	-	-
B152_0.0-0.1	11 Nov 2025	1292929	543	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	14	-	-	-
QA01_20251111GB	11 Nov 2025	ES2535462	296	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	0[#1]	<0.0004	<0.0004	1[#9]	0[#1]	1[#3]	<0.1	1[#4]	12.5	0[#1]	0[#1]	296
QC01_20251111GB	11 Nov 2025	1292929	387	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	15	-	-	-

Table H - Sampling Regime 2 - Eastern Farmland Area
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation

				Asbestos - Eurofins																Asbestos - Envirolab		Asbestos - Other					Biota	Other			
				Approximate Sample Mass	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass asbestos in AF	Mass Asbestos in FA & AF	ACM - Comment	FA- Comment	AF - Comment	Organic Fibres - Comment	Respirable Fibres - Comment	Synthetic Fibres - Comment	Asbestos Reported Result	Asbestos FA & AF in Soil	Asbestos ID in Soil	Asbestos (ACM>7mm) Estimation	Asbestos in soil (<7mm AF/FA)	APPROVED IDENTIFIER:	Asbestos (Trace)	Asbestos Type	Asbestos Containing Material	Description	Moisture Content (dried @ 103°C)	Organic Fibre	Synthetic Mineral Fibre	Weight Used for % Calculation
				g	g	g	% (w/w)	g	g	g	g	g	Comment	Comment	Comment	Comment	Comment	Comment	Comment	% (w/w)	g/kg	g	g	-	Comment	-	g	--	%	g/kg	g/kg	g
EQL							0.01													0.001	0.1	0.0004	0.0004				0.1		1			0.1
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil																															
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																															
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																															
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																															
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil							0.05													0.001											
Field ID	**Date**	**Lab Report Number**																													
B057_0.0-0.1	07 Nov 2025	1289832	435	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	19	-	-	-
B076_0–0.1	07 Nov 2025	1289832	584	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	14	-	-	-
B153_0.0-0.1	12 Nov 2025	1292928	495	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	13	-	-	-
B154_0.0-0.1	12 Nov 2025	1292928	454	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	13	-	-	-
B154_0.3-0.4	12 Nov 2025	1292928	537	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	12	-	-	-
B155_0.0-0.1	12 Nov 2025	1292928	347	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	20	-	-	-
B156_0.0-0.1	12 Nov 2025	1292928	542	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	15	-	-	-
B157_0.0-0.1	12 Nov 2025	1292928	461	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	16	-	-	-
B158_0.0-0.1	12 Nov 2025	1292928	341	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	15	-	-	-
B159_0.0-0.1	12 Nov 2025	1292928	335	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	20	-	-	-
B168_0.0-0.1	07 Nov 2025	1289832	518	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	26	-	-	-
B169_0.0-0.1	07 Nov 2025	1289832	471	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	17	-	-	-
B170_0.0-0.1	07 Nov 2025	1289832	455	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	16	-	-	-
B171_0.0-0.1	07 Nov 2025	1289832	422	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	13	-	-	-
B172_0.0-0.1	07 Nov 2025	1289832	463	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	14	-	-	-
B173_0.0-0.1	10 Nov 2025	1290512	409	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	9.3	-	-	-
B174_0.0-0.1	10 Nov 2025	1290512	500	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	12	-	-	-
B175_0.0-0.1	11 Nov 2025	1292929	337	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	9.5	-	-	-
B176_0.0-0.1	11 Nov 2025	1292929	483	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	9.4	-	-	-
B177_0.0-0.1	11 Nov 2025	1292929	385	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	13	-	-	-
B178_0.0-0.1	11 Nov 2025	1292929	359	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	13	-	-	-
B183_0.0-0.1	07 Nov 2025	1289832	432	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	12	-	-	-
B184_0.0-0.1	10 Nov 2025	1290512	386	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	22	-	-	-
B185_0.0-0.1	10 Nov 2025	1290512	444	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	20	-	-	-
B186_0.0-0.1	07 Nov 2025	1289832	631	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	9.1	-	-	-
B187_0.0-0.1	07 Nov 2025	1289832	425	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	15	-	-	-
B188_0.0-0.1	10 Nov 2025	1290512	390	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	23	-	-	-
B189_0.0-0.1	10 Nov 2025	1290512	277	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	23	-	-	-
B190_0.0-0.1	11 Nov 2025	1292929	283	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	26	-	-	-
QA09A	11 Nov 2025	ES2535462	276	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	0[#1]	<0.0004	<0.0004	1[#9]	0[#1]	1[#3]	<0.1	1[#4]	22.3	0[#1]	0[#1]	276
QC09A	11 Nov 2025	1292929	302	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	25	-	-	-
B191_0.0-0.1	12 Nov 2025	1292928	620	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	20	-	-	-
B192_0.0-0.1	12 Nov 2025	1292928	347	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	6.5	-	-	-
B193_0.0-0.1	12 Nov 2025	1292928	494	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	13	-	-	-
B194_0.0-0.1	12 Nov 2025	1292928	422	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	16	-	-	-
B195_0.0-0.1	12 Nov 2025	1292928	363	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	18	-	-	-
B196_0.0-0.1	12 Nov 2025	1292928	424	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	8.7	-	-	-
B197_0.0-0.1	12 Nov 2025	1292928	394	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	12	-	-	-
B198_0.0-0.1	12 Nov 2025	1292928	525	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	7.7	-	-	-
B199_0.0-0.1	12 Nov 2025	1292928	344	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	30	-	-	-
B200_0.0-0.1	12 Nov 2025	1292928	465	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	16	-	-	-
B201_0.0-0.1	12 Nov 2025	1292928	542	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	9.4	-	-	-
B202_0.0-0.1	12 Nov 2025	1292928	336	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	19	-	-	-
B206_0.0-0.1	10 Nov 2025	1290512	423	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	26	-	-	-
B206_0.3-0.4	10 Nov 2025	1290512	513	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	32	-	-	-
QA01_20251110GB	10 Nov 2025	ES2535252	356	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	0[#1]	<0.0004	<0.0004	1[#2]	0[#1]	1[#3]	<0.1	1[#4]	19.5	0[#1]	0[#1]	356
QC01_20251110GB	10 Nov 2025	1290512	369	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	26	-	-	-
B207_0.0-0.1	10 Nov 2025	1290512	345	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	19	-	-	-
B208_0.0-0.1	10 Nov 2025	1290512	360	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	21	-	-	-
B208_0.2-0.3	10 Nov 2025	1290512	440	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	15	-	-	-
B209_0.0-0.1	10 Nov 2025	1290512	386	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	19	-	-	-
B210_0.0-0.1	10 Nov 2025	1290512	157	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#12]	0	-	-	-	-	-	-	-	-	42	-	-	-
B211_0.0-0.1	10 Nov 2025	1290512	518	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	11	-	-	-
B212_0.0-0.1	10 Nov 2025	1290512	401	0	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	11	-	-	-

Table H - Sampling Regime 2 - Eastern Farmland Area
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation

	Asbestos - Eurofins																	Asbestos - Envirolab		Asbestos - Other					Biota	Other			
	Approximate Sample Mass	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass asbestos in AF	Mass Asbestos in FA & AF	ACM - Comment	FA- Comment	AF - Comment	Organic Fibres - Comment	Respirable Fibres - Comment	Synthetic Fibres - Comment	Asbestos Reported Result	Asbestos FA & AF in Soil	Asbestos ID in Soil	Asbestos (ACM >7mm) Estimation	Asbestos in soil (<7mm AF/FA)	APPROVED IDENTIFIER:	Asbestos (Trace)	Asbestos Type	Asbestos Containing Material	Description	Moisture Content (dried @ 103°C)	Organic Fibre	Synthetic Mineral Fibre	Weight Used for % Calculation
	g	g	g	% (w/w)	g	g	g	g	g	Comment	Comment	Comment	Comment	Comment	Comment	Comment	% (w/w)	g/kg	g	g	-	Comment	-	g	--	%	g/kg	g/kg	g
EQL				0.01													0.001	0.1	0.0004	0.0004				0.1		1			0.1
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil																													
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																													
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																													
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																													
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil				0.05													0.001												
Field ID	**Date**	**Lab Report Number**																											
B057_0.0-0.1	07 Nov 2025	1289832	435	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	19	-	-	-
B076_0–0.1	07 Nov 2025	1289832	584	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	14	-	-	-
B213_0.0-0.1	11 Nov 2025	1292929	624	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	5.4	-	-	-
B214_0.0-0.1	12 Nov 2025	1292928	389	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	13	-	-	-
B215_0.0-0.1	12 Nov 2025	1292928	492	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	8.3	-	-	-
B216-0-0.1	12 Nov 2025	1292928	503	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	7.9	-	-	-
B217_0.0-0.1	11 Nov 2025	1292929	459	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	10	-	-	-
B218-0-0.1	12 Nov 2025	1292928	486	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	16	-	-	-
B219_0.0-0.1	11 Nov 2025	1292929	496	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	15	-	-	-
B219_0.0-0.1	12 Nov 2025	1292928	330	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	14	-	-	-
B219_0.3-0.4	12 Nov 2025	1292928	463	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	9.7	-	-	-
B220_0.0-0.1	12 Nov 2025	1292928	474	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	15	-	-	-
QA01_20251112GB	12 Nov 2025	ES2535613	473	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	0.026	1 #11	<0.0004	0.122	1 #9	0 #1	1 #20	<0.1	1 #21	8.8	1 #11	1 #11	473
QC01_20251112GB	12 Nov 2025	1292928	446	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	21	-	-	-
B221_0.0-0.1	12 Nov 2025	1292928	335	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	16	-	-	-
B222_0.0-0.1	12 Nov 2025	1292928	523	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	8.6	-	-	-
B224_0.0-0.1	10 Nov 2025	1290512	529	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	14	-	-	-
B225_0.0-0.1	10 Nov 2025	1290512	399	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	16	-	-	-
B226_0.0-0.1	10 Nov 2025	1290512	474	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	16	-	-	-
B227_0.0-0.1	10 Nov 2025	1290512	428	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	18	-	-	-
B228_0.0-0.1	10 Nov 2025	1290512	439	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	15	-	-	-
B229_0.0-0.1	11 Nov 2025	1292929	411	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	9.9	-	-	-
B230_0.0-0.1	11 Nov 2025	1292929	501	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	6.4	-	-	-
B231_0.0-0.1	11 Nov 2025	1292929	455	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	7.4	-	-	-
B232_0.0-0.1	11 Nov 2025	1292929	365	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	14	-	-	-
B233_0.0-0.1	11 Nov 2025	1292929	510	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	10	-	-	-
B234_0.0-0.1	12 Nov 2025	1292928	367	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	13	-	-	-
B235_0.0-0.1	12 Nov 2025	1292928	493	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	14	-	-	-
B237_0.0-0.1	10 Nov 2025	1290512	327	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	17	-	-	-
B238_0.0-0.1	10 Nov 2025	1290512	320	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	15	-	-	-
B239_0.0-0.1	10 Nov 2025	1290512	427	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	25	-	-	-
B240_0.0-0.1	10 Nov 2025	1290512	541	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	15	-	-	-
B241_0.0-0.1	10 Nov 2025	1290512	493	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	25	-	-	-
B242_0.0-0.1	10 Nov 2025	1290512	478	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	14	-	-	-
B243_0.0-0.1	11 Nov 2025	1292929	458	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	11	-	-	-
B244_0.0-0.1	11 Nov 2025	1292929	495	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	7.6	-	-	-
B245_0.0-0.1	11 Nov 2025	1292929	477	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	17	-	-	-
B246_0.0-0.1	11 Nov 2025	1292929	578	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	13	-	-	-
B247_0.0-0.1	11 Nov 2025	1292929	394	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	8.6	-	-	-
B248_0.0-0.1	11 Nov 2025	1292929	516	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	13	-	-	-
B248_0.0-0.1	12 Nov 2025	1292928	405	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	17	-	-	-
B249_0.0-0.1	12 Nov 2025	1292928	391	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	10	-	-	-
B250_0.0-0.1	10 Nov 2025	1290512	373	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	14	-	-	-
B251_0.0-0.1	10 Nov 2025	1290512	528	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	12	-	-	-
B252_0.0-0.1	10 Nov 2025	1290512	483	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	15	-	-	-
B253_0.0-0.1	10 Nov 2025	1290512	626	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	12	-	-	-
B254_0.0-0.1	10 Nov 2025	1290512	613	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	31	-	-	-
B255_0.0-0.1	11 Nov 2025	1292929	434	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	9.5	-	-	-
B256_0.0-0.1	12 Nov 2025	1292928	474	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	7.7	-	-	-
20251112_QA01TL	12 Nov 2025	ES2535613	597	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	<0.001	0 #1	<0.0004	<0.0004	1 #9	0 #1	1 #3	<0.1	1 #10	7.7	1 #11	0 #1	597
20251112_QC01TL	12 Nov 2025	1292928	528	0	0	0	0	0	0	0	0	1 #5	1 #5	1 #5	1 #6	1 #7	1 #5	1 #8	0	-	-	-	-	-	-	-	-	8	-	-	-

Table H - Sampling Regime 2 - Eastern Farmland Area
Project Number: 70609
Project Name: Bradfield Quarry Rehab-Remediation

	Asbestos - Eurofins																	Asbestos - Envirolab		Asbestos - Other					Biota	Other			
	Approximate Sample Mass	Mass ACM	Mass Asbestos in ACM	Asbestos from ACM in Soil	Mass FA	Mass Asbestos in FA	Mass AF	Mass asbestos in AF	Mass Asbestos in FA & AF	ACM - Comment	FA- Comment	AF - Comment	Organic Fibres - Comment	Respirable Fibres - Comment	Synthetic Fibres - Comment	Asbestos Reported Result	Asbestos FA & AF in Soil	Asbestos ID in Soil	Asbestos (ACM>7mm) Estimation	Asbestos in soil (<7mm AF/FA)	APPROVED IDENTIFIER:	Asbestos (Trace)	Asbestos Type	Asbestos Containing Material	Description	Moisture Content (dried @ 103°C)	Organic Fibre	Synthetic Mineral Fibre	Weight Used for % Calculation
	g	g	g	% (w/w)	g	g	g	g	g	Comment	Comment	Comment	Comment	Comment	Comment	Comment	% (w/w)	g/kg	g	g	-	Comment	-	g	--	%	g/kg	g/kg	g
EQL				0.01													0.001	0.1	0.0004	0.0004				0.1		1			0.1
NEPM (2013) Table 1A(1) HILs Comm/Ind D Soil																													
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Clay																													
NEPM 2013 Table 1A(3) Comm/Ind D Soil HSL for Vapour Intrusion, Silt																													
NEPM 2013 Table 1B(1-5) Generic EIL - Comm/Ind																													
NEPM 2013 Table 7 Comm/Ind D Soil HSL for Asbestos in Soil				0.05													0.001												
Field ID	**Date**	**Lab Report Number**																											
B057_0.0-0.1	07 Nov 2025	1289832	435	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	19	-	-	-
B076_0–0.1	07 Nov 2025	1289832	584	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	14	-	-	-
B257_0.0-0.1	10 Nov 2025	1290512	521	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	29	-	-	-
B258_0.0-0.1	10 Nov 2025	1290512	524	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	8.9	-	-	-
B259_0.0-0.1	11 Nov 2025	1292929	565	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	11	-	-	-
B260_0.0-0.1	11 Nov 2025	1292929	373	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	14	-	-	-
B261_0.0-0.1	11 Nov 2025	1292929	526	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	13	-	-	-
B262_0.0-0.1	11 Nov 2025	1292929	522	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	17	-	-	-
B262_0.2-0.3	11 Nov 2025	1292929	528	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	10	-	-	-
B263_0.0-0.1	11 Nov 2025	1292929	434	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	22	-	-	-
B264_0.0-0.1	11 Nov 2025	1292929	342	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	7.6	-	-	-
B265_0.0-0.1	10 Nov 2025	1290512	556	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	15	-	-	-
B266_0.0-0.1	10 Nov 2025	1290512	506	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	15	-	-	-
B267_0.0-0.1	11 Nov 2025	1292929	440	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	13	-	-	-
B268_0.0-0.1	11 Nov 2025	1292929	470	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	15	-	-	-
B269_0.0-0.1	11 Nov 2025	1292929	351	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	14	-	-	-
B270_0.0-0.1	11 Nov 2025	1292929	579	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	12	-	-	-
B271_0.0-0.1	10 Nov 2025	1290512	416	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	8.5	-	-	-
B272_0.0-0.1	10 Nov 2025	1290512	466	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	18	-	-	-
B273_0.0-0.1	10 Nov 2025	1290512	576	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	9.3	-	-	-
B274_0.0-0.1	10 Nov 2025	1290512	503	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	12	-	-	-
B275_0.0-0.1	11 Nov 2025	1292929	451	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	11	-	-	-
B276_0.0-0.1	11 Nov 2025	1292929	348	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	15	-	-	-
B277_0.0-0.1	10 Nov 2025	1290512	476	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	8.7	-	-	-
B278_0.0-0.1	10 Nov 2025	1290512	451	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	16	-	-	-
B279_0.0-0.1	10 Nov 2025	1290512	422	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	20	-	-	-
B280_0.0-0.1	10 Nov 2025	1290512	407	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	8.6	-	-	-
B281_0.0-0.1	11 Nov 2025	1292929	338	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	10	-	-	-
20251111_QA01TL	11 Nov 2025	ES2535462	469	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	<0.001	0[#1]	<0.0004	<0.0004	1[#9]	0[#1]	1[#3]	<0.1	1[#4]	7.1	0[#1]	0[#1]	469
20251111_QC01TL	11 Nov 2025	1292929	411	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	12	-	-	-
B282_0.0-0.1	10 Nov 2025	1290512	466	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	10	-	-	-
B283_0.0-0.1	10 Nov 2025	1290512	518	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	19	-	-	-
20251110_QA01TL	10 Nov 2025	ES2535252	591	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	<0.001	0[#1]	<0.0004	<0.0004	1[#2]	0[#1]	1[#3]	<0.1	1[#4]	9.3	0[#1]	0[#1]	591
20251110_QC01TL	10 Nov 2025	1290512	524	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	11	-	-	-
B284_0.0-0.1	10 Nov 2025	1290512	531	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	8.3	-	-	-
B285_0-0.1	10 Nov 2025	1290512	421	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	11	-	-	-
B286_0-0.1	10 Nov 2025	1290512	522	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	16	-	-	-
B287_0-0.1	10 Nov 2025	1290512	625	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	7.7	-	-	-
B288_0.0-0.1	10 Nov 2025	1290512	474	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	11	-	-	-
B289_0-0.1	10 Nov 2025	1290512	547	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	9.9	-	-	-
B290_0-0.1	10 Nov 2025	1290512	597	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	31	-	-	-
Drum_0.0-0.1	12 Nov 2025	1292928	445	0	0	0	0	0	0	0	0	1[#5]	1[#5]	1[#5]	1[#6]	1[#7]	1[#5]	1[#8]	0	-	-	-	-	-	-	-	-	14	-	-	-

Comments
#1 No
#2 J. WILLIAMS
#3 -
#4 A soil sample.
#5 Nil
#6 Organic fibres detected.
#7 No trace asbestos detected.
#8 No asbestos detected at the reporting limit of 0.001% w/w.*Organic fibre detected.No trace asbestos detected.
#9 C.OWLER
#10 A soil sample containing building debris.
#11 Yes
#12 No asbestos detected at the reporting limit of 0.01% w/w.Organic fibre detected.No trace asbestos detected.
#13 The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Qua
#14 ACM:Chrysotile and amosite asbestos detected in compressed fibre cement material.
#15 ACM:Chrysotile and amosite asbestos detected in compressed fibre cement material.Approximate raw weight o
#16 >500ml
#17 AF:Chrysotile asbestos detected in the form of loose fibres.No asbestos detected at the reporting limit of 0.001
#18 AF:Chrysotile asbestos detected in the form of loose fibres.Approximate raw weight of AF = 0.0025g*Estimated
#19 B.SCHRADER
#20 Ch
#21 A soil sample containing two pieces of asbestos fibre board approximately 5x5x5mm.

Environmental Standards
NEPM, NEPM 2013 Table 1B(7) Management Limits Comm / Ind, Fine Soil

Appendix D Fill Management Plan

Former Bradfield Quarry, 225-245 Martin Road, Bradfield NSW

Goodman Property Services (Aust) Pty Ltd (Applicant) on behalf of Goodman Western Sydney Pty Limited as trustee for the Goodman Western Sydney Trust (Owner)

SSD-97711727

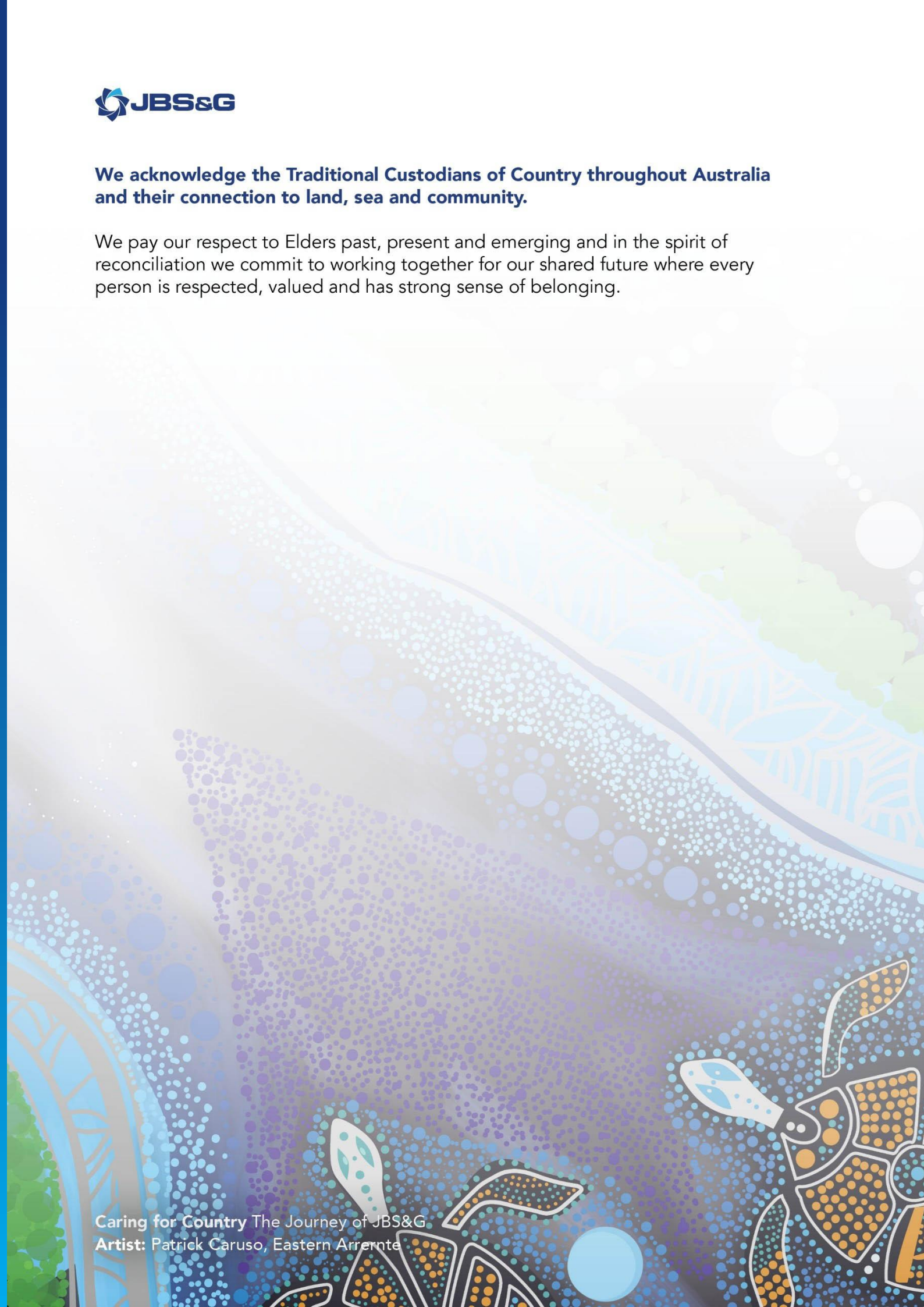
Fill Management Plan

70609 | 172508 (Rev 1)

24 March 2026

We acknowledge the Traditional Custodians of Country throughout Australia and their connection to land, sea and community.

We pay our respect to Elders past, present and emerging and in the spirit of reconciliation we commit to working together for our shared future where every person is respected, valued and has strong sense of belonging.



Caring for Country The Journey of JBS&G
Artist: Patrick Caruso, Eastern Arrernte

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Appendices

Appendix A **Unexpected Finds Protocol**
Appendix B **Arcadis In-Situ Fill Map**
Appendix C **NSW EPA VENM Certificate**

Abbreviations

Term	Definition
ACM	Asbestos-containing material
AEC	Area of Environmental Concern
ASC NEPM	National Environment Protection (Assessment of Site Contamination) Measure 1999 as amended 2013
ASS	Acid Sulfate Soils
BTEXN	Benzene, toluene, ethylbenzene, xylenes, and naphthalene
CLM Act	Contaminated Land Management Act 1997
COC	Chain of Custody
CoC	Conditions of Consent
CT	Contaminant threshold
DOH	Department of Health
DP	Deposited Plan
DPE	Department of Planning and Environment
EIL	Ecological investigation level
ENM	Excavated Natural Material
EPA	Environment Protection Authority
EPL	Environment Protection Licence
ESL	Ecological screening level
FA/AF	Fibrous asbestos/asbestos fines
FMP	Fill Management Plan
Goodman	Goodman Property Services (Aust) Pty Ltd on behalf of Goodman Western Sydney Pty Limited as trustee for the Goodman Western Sydney Trust
Ha	Hectare
HIL	Health investigation level
HSL	Health screening level
JBS&G	JBS&G Australia Pty Ltd
LOR	Limit of reporting
MOD	Modification
NEPC	National Environment Protection Council
NSW	New South Wales
OCPs	Organochlorine pesticides
PAHs	Polycyclic aromatic hydrocarbons
PCBs	Polychlorinated biphenyls
PFAS	Per- and polyfluoroalkyl substances
POEO Act	Protection of the Environment Operations Act 1977

Term	Definition
RAP	Remediation Action Plan
REMP	Remediation Environmental Management Plan
RPD	Relative percentage difference
SSDA	State Significant Development Application
TRH	Total recoverable hydrocarbons
UFP	Unexpected Finds Protocol
VENM	Virgin Excavated Natural Material
WA	Western Australia
WSAP	Western Sydney Aerotropolis Plan
WSI	Western Sydney International (airport)

1. Introduction

1.1 Background

JBS&G Australia Pty Ltd (JBS&G) was engaged by Goodman Property Services (Aust) Pty Ltd on behalf of Goodman Western Sydney Pty Limited as trustee for the Goodman Western Sydney Trust, referred to herein as 'Goodman' and/or 'the client', to prepare a Fill Management Plan (FMP) to support the rehabilitation and redevelopment of a parcel of land identified as the former Badgerys Creek Quarry and Brick Making Site, located at 225-245 Martin Road, Bradfield, NSW (the site). The site is legally identified as Lots 1 to 3 in Deposited Plan (DP) 1278780 and Lots 55 and 56 in DP 3050 and occupies a total area of approximately 190 hectares (ha).

Quarry rehabilitation works at the site have been previously and continue to be progressed in accordance with a Fill Management Plan (FMP, ERM 2025[1]), which forms part of the scope approved under MP10_0014 and its associated operating conditions as stipulated under in the current Environment Protection Licence (EPL 684). The FMP (ERM 2025) has been subject to review and endorsement by the appointed site NSW EPA independent NSW Environment Protection Authority (EPA) accredited Site Auditor, Mr James Davis of Enviroview Pty Ltd. The FMP prescribes the requirements for assessment and characterisation of:

- Fill materials currently located on site as associated with former quarrying activities to confirm their suitability for re-use as part of rehabilitation works, from a contamination perspective;
- Materials proposed to be imported to the site for use as engineered fill as part of quarry rehabilitation works;
- Materials to be removed from the site; and
- Protocols for addressing unexpected finds.

This FMP provides a revision to the previous FMP and forms part of the site Remedial Action Plan (RAP, JBS&G 2026[2]), such that it may continue to be applicable to ongoing rehabilitation works concurrent to the proposed remediation and development activities under the proposed State Significant Development Application (SSDA) No. 97711727 (referred to herein as 'the SSDA'). In addition, it is understood future modifications to the EPL are proposed by the Client, during which it is anticipated that this document will be subject to review and endorsement by the Department of Planning and the NSW EPA to fulfil the requirements of the current EPL. Further, this document will be subject to review and endorsement by the appointed site auditor, James Davis of Enviroview Pty Ltd prior to its commencement upon replacement of MP10_0014 by approval of SSDA-97711727.

This revised FMP has retained the main objectives and protocols outlined in the ERM FMP (2025) for consistency and to ensure the objectives of the ERM FMP (2025) are maintained following the approval of the SSDA/EPL amendments.

To ensure the consistent application of the materials management strategy, the FMP has been prepared to outline the relevant roles, responsibilities and requirements necessary to implement the strategy. The following report was developed in accordance with guidelines made and/or approved by the NSW EPA.

[1] *Fill Management Plan, Badgerys Creek Quarry and Brick Making Project*, Environmental Resources Management Australia Pty Ltd (ERM), 6 January 2025 (ERM 2025).

[2] *Bradfield Quarry, Rehabilitation and Bulk Earthworks, 225-245 Martin Road, Bradfield Site Wide Remedial Action Plan*. JBS&G Australia Pty Ltd doc ref 70609/173973 Rev 0 dated 18 March 2026 (JBS&G 2026)

1.2 Objectives of the FMP

The objectives of the FMP are to identify and document:

- Details of the site and potential materials to which this protocol will apply;
- Parties responsible for implementation of the nominated protocols, safeguards and monitoring during works activities;
- Aspects of environmental legislation and project site approvals relevant to the importation and on-site management of fill;
- Requirements as are appropriate for the management of imported and site-won uncontrolled fill material such that the material may be demonstrated as environmentally suitable for placement to the satisfaction of an independent site auditor(s) or alternatively to demonstrate material has been lawfully removed from the site;
- Requirements for assessing, recording, handling and managing contamination on site where identified as either an unexpected find and/or as may be known to be present as documented in the site Remedial Action Plan (JBS&G 2026); and
- Environmental safeguards required to be implemented by the Contractor during works in order to reduce the impacts to the environment, site worker and/or the surrounding neighbours to the extent practicable.

1.3 Regulatory Compliance

Within the site, all excavated material will be managed under the requirements of the contaminated land management guidance framework as per the *Contaminated Land Management Act 1997* (CLM Act).

All materials imported to the site must firstly be identified as able to lawfully be imported and also be appropriately characterised with required evidence to demonstrate the material does not represent an unacceptable contamination risk (to human health and/or the environment) in relation to the proposed future use of the material in the proposed placement location.

Appropriate characterisation of all materials to be disposed off-site (including for beneficial reuse) is required in accordance with the *Protection of the Environment Operation (Waste) Regulation 2014*.

The FMP has been developed with consideration to the current consent conditions (application number MP10_0014, Mod 6 dated December 2024), the remedial works strategy as documented in the RAP (JBS&G 2026) and has been prepared to broadly address future anticipated conditions of consent (CoC) as will apply to the SSDA.

All works must consider relevant regulatory guidelines and legislation as outlined in the RAP (JBS&G 2026). This is further detailed in **Section 3**.

2. Site Condition

2.1 Site Identification

A summary of the site condition, history and surrounding land uses are provided in **Table 2-1**. The site location and layout are shown on **Figure 1** and **2** respectively. The following is a summary of relevant information.

Table 2-1: Site Summary Information

Lot/Deposited Plan (DP)	Lots 1 to 3 DP 1278780 Lots 55 and 56 DP 3050
Address	225-245 Martin Road Bradfield, NSW
LGA	Liverpool City Council
Site Zoning	**ENT:** Enterprise **ENZ:** Environment and Recreation
Current Use	Former quarry undergoing rehabilitation, tile storage/distribution area and agricultural (grazing areas) in the north and eastern portions
Previous Use	Quarry, brick making plant and associated infrastructure with agricultural (grazing areas) in the north and eastern portions
Proposed Use	Principally development of a Commercial/Industrial precinct with minor space proposed for recreation / amenities land uses.
Site Area	Approximately 190 Ha

2.2 Site Description

A detailed site inspection of the accessible portions of the site was completed by an appropriately qualified and experienced JBS&G environmental consultant on 28 May 2025.

The property at 225-245 Martin Road comprised an operational tile storage business and a quarry rehabilitation site and two areas of agricultural land uses (in the north and east of the site). The site was accessible via a 2-lane driveway in a south-westerly direction frequented by B-doubles and container trucks. An additional entry to the site was present at the southern end of Martin Road, bound by a tall, locked gate. Rural residential properties and the Australian Native Landscapes (ANL) Badgerys Creek site were observed to the east of the site along Martin Road.

Upon entry to the property via the main driveway, the quarry rehabilitation site office operated by Mulgoa Quarries was observed on the southern side of the driveway, and the tile business storage yard operated by PGH Bricks & Pavers was directly at the end of the driveway to the west.

The site was then separated into three main areas, comprising the agricultural farmland, former brick factory footprint and quarry rehabilitation areas, with each discussed separately below.

2.2.1 Farmland

Open pasture farmland was present in the northern and eastern portions of the site, separated from the remainder of the site by barbed wire fencing and steel access gates.

2.2.1.1 Northern Farmland Area (Figure 3a)

The northern farm area covers approximately 35 ha and comprised an active cattle farm on 28 May 2025, noting all cattle had been removed from the site by the time of the inspection on 5 November 2025. Minimal remaining farm infrastructure was present, consisting of fenced areas, some cattle restrictor gates, and indications of several former structures.

Former building footprints (farm sheds/animal loading yard and a residential structure) were present in two locations. The former farm shed/animal loading yard area was observed to generally be surfaced by crushed sandstone with occasional inclusions of bricks and brick fragments. No suspected asbestos-containing material (ACM), staining or odours other than animal waste were noted during inspection of the accessible ground surfaces throughout the northern farm area, inclusive of within the former building footprints. Anthropogenic (foreign) materials, including brick fragments and plastic, were occasionally observed on the ground surface.

Three large surface water basins/farm dams and a man-made concrete-lined water quality treatment/ holding pond were also observed in the northern farm. The farm dams appeared to be constructed below ground level, and the dam walls were likely constructed from overburden generated from the dam excavation. Gross anthropogenic materials within the surrounding dam banks and walls were not noted during the inspection. A drainage channel of relatively recent construction was located to the west of the north-western dam that appeared likely to direct overland flow toward Badgerys Creek/low-lying areas in the north-west. The grassed areas in the north-western portion of the site that were anticipated to receive dam overflow were relatively damp at the time of the site inspection.

A weather station was positioned between the basin areas. A sandstone-gravel-surfaced road extended west from a separate entry off Martin Road to the western section of the farmland. A barbed wire-fenced area of approximately 45 x 30 m was present along the unsealed road south of the weather station. The fenced area contained dense vegetation of weeds and two sprinklers. It is understood from conversations with Mulgoa Quarries personnel that the area was used for the spray irrigation of treated sewage generated from the on-site sewage management system (located to the north of the former factory footprint).

Topographically, there was a local high point running north-south between the eastern and 2 western farm dams in this portion of the site. From this area, the site generally sloped down to the east and west, respectively and slightly to the north. A drainage channel was present in the western portion of the site, generally running from south to north and flowing into Badgerys Creek. The area in the vicinity of the drainage channel was a localised low point. Further to the west, the site sloped down in increasingly steep gradients toward the Badgerys Creek riparian zone along which the site boundary ran.

The ground surfaces were generally covered by grass. Some trees were present, mainly to the south-east of the western farm dams and adjacent to the riparian zone/ Badgerys Creek channel in the western portion of the area. Quarry bunds/stockpiles were located along the southern boundary of the area associated with former quarry activities (including stockpiling of materials to manage surface water flows as part of rehabilitation works). The two bunds in the eastern portion of the site area were within the farmland area and were approximately 2-3 m in height and covered with grass. The bund that comprises a zig-zag shape adjacent to the north of Pit 1 was within the fenceline of the quarry rehabilitation area. This bund was approximately 1-2 m in height and covered by grass. JBS&G note stockpiled material within the quarry area is being progressively generated, assessed and relocated in accordance with the existing site consent conditions for rehabilitation.

No indicators of significant or widespread contamination (aside from anthropogenic material) were identified in this area of the site, including ACM, soil staining, or odours.

2.2.1.2 Eastern Farmland Area (Figure 3b)

The eastern farmland area covers approximately 57.5 ha and comprised several large, fenced grass paddocks and was bound by Wianamatta South Creek to the east and the active quarry areas to the west. The north-west of the area was bound by the Bradfield Quarry internal site access road, whilst, from the terminus of Martin Road to the north, the east section was bounded by the property boundary adjacent to a rural residential allotment. A vacant, former agricultural property was located to the south of the area (understood to comprise a currently vacant former commercial chicken/poultry raising operation).

A sandstone-gravel-surfaced access road extended from the Bradfield Quarry in the western part of the area, providing site access toward the east. The road forked, with one direction heading north/north-east and the other south/south-east. In the north-western portion of the area, a sandstone-gravel-surfaced area was present, extending west from the access road and adjoining the eastern extent of the Quarry holding yard. This area contained two quarry area bunds, a small material stockpile, a former residential dwelling footprint, and an area of disturbed earth south-east from the dwelling footprint.

Another access road was located in the central portion of the area, which ran in a north-to-south orientation from the terminus of Martin Road. This access road met the south-eastern road branching from the direction

of the quarry in the central west portion of the area. At this intersection, another branched road headed east, then south along the quarry site area boundary to the southern extent of the area.

Topographically, the area sloped down from west toward the east and slightly from north to south. Two farm dams were present in the western portion of the area. The northern farm dam appeared to have been excavated below ground levels and no constructed dam walls were evident. A drainage channel extends from the northern farm dam to the southern, larger farm dam. The western and southern portions of the southern dam were excavated below ground level. The northern and eastern banks had constructed dam walls. Dam walls appeared to be generally grassed and where visible constructed with brown clay. No foreign materials were observed during the inspection. A small depression was located adjacent to the northeast of the large farm dam where it is inferred that surface water collects if the dam levels exceed capacity before mobilising east within an ephemeral drainage channel. A localised low-lying area was present within the central eastern portion of the farmland, to the east of the southern dam, where surface water and associated waterlogged soils were present. A drainage channel was observed leading to this low point from the western portion of the area. To the west of the low-lying area, denser vegetation and trees were present.

A small unwalled shelter constructed from timber support poles and beams and a metal roof was present in the western portion of the area, as well as two building footprints of former structures. ACM was observed on the ground surface in the vicinity of the western/southwestern building footprint.

In the central portion of the northern and southern paddock areas, two small fenced-off areas were identified as dust deposition monitoring sites for the quarry operations. Another square fenced-off area was located to the west of the trees adjacent to the low-lying area.

Several small gravel material stockpiles were present adjacent to the access roads, possibly associated with ongoing road maintenance activities.

Two small tributaries of Wianamatta South Creek were present in the eastern portion of the area, surrounded by dense vegetation. Within the vegetated area in the northeastern/eastern portion of the area, small amounts of rubbish and an empty metal drum were observed.

Bricks/brick fragments, plastic, tile and concrete were present on the surface in the vicinity of all demolished structures, however, aside from the identification of ACM within the footprint of a former structure in the western portion of the area, no other indicators of contamination, such as odours or staining, were noted.

2.3 Surrounding Land-use

The current land uses of adjacent properties and/or properties across adjacent roads are summarised below.

- North – The site is bound to the north by commercial agricultural and rural residential properties, including Australian Native Landscapes, that extend to Elizabeth Drive and are accessed by Martin and Lawson Roads from Elizabeth Drive. It is noted that several properties north of the site are subject to existing SSDAs for proposed industrial/warehouse developments.
- South – The site is bound to the south by vacant rural land, understood to have formerly comprised a commercial chicken raising facility (Inghams). This land is the subject of a redevelopment proposal as outlined in the Ingham Property Group (IPG) Master Plan, which was approved on 11 July 2025. The approved IPG Master Plan covers an area of 184 ha and includes a mix of industrial and commercial zones, a local centre, and accessible public green spaces near Badgerys Creek / Western Sydney International Airport (WSI) to the west.
- East – The site is bound to the east by Wianamatta-South Creek beyond which are rural residential properties within the suburb of Kemps Creek. These areas are understood to not be initial development precincts under the Western Sydney Aerotropolis Plan (WSAP).

- West – The site is bound to the west by the Badgerys Creek riparian zone, followed by the WSI airport site which is currently under construction.
- Based on the review of available information, the surrounding land uses were identified to likely represent a low potential source(s) for migration of contamination onto the site..

2.4 Site History Summary

The individual lots that together make up the site were originally used for rural residential/farming enterprises until approximately the 1970s, when various new owners, including developers and bank managers, acquired the land in advance of acquisition by Pacific Brick, which went on to become Boral Bricks Pty Ltd. All land was then transferred in 2015 to PGH Bricks and Pavers Ltd. From the 1970s until recently the site has been used for quarrying and activities associated with the manufacture of brick and paver products, noting that areas of the north and east of the site beyond the PGH operations were leased to parties for the agistment of cattle.

Goodman (the Client) acquired all lots as identified as the site in **Section 2.1** on 19 December 2025.

As noted in **Section 1**, the site is currently the subject of an EPL no. 684, issued for premises based activities including ceramics production (0-15,000 t annual production capacity) and mining for minerals (0-30,000 t annual production). With regard to site activities, this licence addresses the management of on-site surface water, implementation of filling activities (consistent with the FMP, ERM 2025), importation of materials as either virgin excavated natural material (VENM) or material covered by a NSW EPA issued resource recovery order (RRO), inclusive of excavated natural material (ENM), tunnel spoil material, etc.

3. Regulatory Requirements

Relevant regulatory requirements which are applicable to the scope of works outlined in this FMP are detailed in Section 8.3 of the RAP (JBS&G 2026). Works completed under in accordance with the FMP will be completed with reference to the following guidelines and legislation:

- *State Environmental Planning Policy (Resilience and Hazards) 2021* (SEPP R&H 2021) under the *Environmental Planning and Assessment Act 1979*;
- *Protection of the Environment Operations Act 1997* (POEO Act);
- *Contaminated Land Management Act 1997* (CLM Act);
- *Protection of the Environment Operations (Waste) Regulation 2014* (EPA 2014a);
- *Managing Land Contamination, Planning Guidelines, SEPP 55 – Remediation of Land*. Department of Urban Affairs and Planning and NSW Environment Protection Authority (DUAP 1998);
- *Waste Classification Guidelines Part 1: Classifying waste* 2014 NSW EPA (EPA 2014b)
- *Addendum to the Waste Classification Guidelines (2014) – Part 1: classifying waste*. NSW EPA October 2016 (EPA 2016)
- *Consultants Reporting on Contaminated Land Contaminated Land Guidelines*, NSW Environment Protection Authority, EPA, April 2020, updated 5 May 2020 (EPA 2020);
- *Guidelines for the Assessment Remediation and Management of Asbestos-Contaminated Sites in Western Australia*. Western Australia Department of Health (DoH), May 2009 (WA DoH 2009);
- *Sampling Design Part 1 – Application, 2022, NSW EPA* and *Sampling Design Part 2 – Interpretation*, 2022, NSW EPA, together EPA (2022);
- *Contaminated Land Management Guidelines for the NSW Site Auditor Scheme (3rd edition)*, EPA, October 2017 (EPA 2017);
- *National Environment Protection (Assessment of Site Contamination) Measure*, 1999 (as amended 2013), National Environment Protection Council (NEPC 2013); and
- *Work Health and Safety Act 2011* and *Work Health and Safety Regulation 2017* and associated Safe Work Australia guidance specific to asbestos.

4. Implementation

4.1 Overview and Period of Implementation

This FMP will apply upon determination of the SSDA and throughout continued ground disturbance works and/or stockpiling activities on the site, and shall be in effect for the duration of development works within the site during ground disturbance phases. In general, the FMP will cease to apply at such time as the final validation report and associated SAS are issued for the site, associated with completion of the works.

It is further noted that the responsibilities for site management as nominated in this FMP are identified only with regard to the management of in-situ and excavated/stockpiled material and do not apply to normal construction/development site operations that may be the subject of separate management requirements (as may be covered by SSDA COCs).

The estimated volume of materials proposed to be imported to the site during the SSDA bulk earthworks scope is 1,000,000 m^3, to be sourced primarily from tunnel spoil materials from current Sydney tunnelling projects. Additional materials may be imported from other source sites as required to achieve bulk fill levels.

At the time of reporting, the following has been / will be completed:

- Dewatering of Pits 1, 2 and 3 - **complete**;
- Quarrying activities in Pit 3 - **complete**;
- Backfilling of Pit 3 with site won fill and imported environmentally suitable material(s) – **complete**; and
- Re-use of site won fill material and importation of fill for quarry rehabilitation activities and backfilling of Pits 1 and 2– **in progress**;
- Additional quarrying of Pit 1 and off-site removal of generated spoil - **incomplete**; and
- Bulk earthworks including cut / fill to achieve required construction levels to facilitate the development proposal - **incomplete**.

The proposed development masterplan is shown on **Figure 3**.

4.1.1 FMP Review

The FMP should be reviewed annually by the project team (**Section 4.2**) in the context of the following scenarios (although not limited to those listed below):

- Change in scope of work;
- Change in consent conditions;
- Change in legislation;
- Following significant environmental incidents or non-compliances; and/or
- At the end of each phase of works (if deemed necessary).

The review should include an evaluation of environmental controls and procedures to ensure their efficacy.

4.2 Responsibilities

4.2.1 Site Owner

The Site Owner is ultimately responsible under the CLM Act for ensuring that site is suitable for the proposed use at the completion of development activities. The Site Owner is also responsible under the POEO Act (1997) and associated regulations for management of any waste as may be transported to/from the premises.

The Site Owner will be responsible for providing the FMP as part of tender/contract documents for all packages where ground disturbance works will occur such that excavated material may be generated, or material placed at the site. It is expected that such activities will include remediation, bulk excavation/filling works, services installation, vegetation rehabilitation, etc.

It is anticipated that during implementation of the FMP, the Site Owner will be responsible for all community consultation and public information distribution to be undertaken prior/during the site works by the appointed project site Principal Contractor (PC).

4.2.2 Contract Superintendent/Site Manager

The Superintendent will be responsible for coordinating the Principal Contractor and any relevant subcontractors including the Haulage Contractor, the Environmental Consultant and Geotechnical Consultant to enable issue of formal contractual instructions to the Principal Contractor and/or its subcontractors.

The materials tracking documentation supplied by the Principal Contractor must be checked by the Superintendent to confirm that it meets the FMP requirements as consistent with all other obligations under the Integrated Testing Plan (ITP) framework established for site works.

The Superintendent and/or Principal Contractor will also be responsible for notifying the Site Owner and Site Auditor in consultation with the Environmental Consultant without delay of non-conformances with the FMP and ensuring non-conformance corrective actions are carried out. This may also include actions to notify the consent authority/ies under relevant law/regulation and or specific COCs as may be included in the project approval/future EPL.

4.2.3 Principal Contractor (PC)

The PC for the site will be responsible for implementation of the overall management of on-site procedures and protocols as defined in the FMP documentation, resulting in compliance with the project designs and specifications.

Further, the PC will be required to:

- Ensure clear lines of communication exist between itself, the Superintendent and all other relevant parties in the supply, receipt and/or disposal of excavated materials as required to meet the project objectives;
- Ensure that only approved materials are imported to/transported from the site. Ensure that appropriate documentation has been received from relevant sub-consultants prior to importation/ disposal, inclusive of maintaining all material characterisation and/or movement records related to implementation of the FMP. Further ensure the subsequent provision of such documents to the Material Tracking Plan (MTP) co-ordinator as required to facilitate management/movement of material in accordance with the project objectives;
- Inform the Contract Superintendent and relevant regulatory authorities (as appropriate) of any non-conformances with the procedures and requirements of the FMP in accordance with the procedures outlined in this document and NSW regulations; and
- Retain records of any contingency actions.

Further the role of Principal Contractor's Site Manager has been defined, comprising a person with relevant skills and experience to be responsible for the following:

- Ensuring adequate materials tracking documentation is obtained to allow the Environmental Consultant and ultimately, the Site Auditor to independently check imported and exported materials meet NSW EPA and CoC requirements;

- Ensuring all procedures in the FMP are assessed and complied with by the relevant subcontractors/Consultants / external parties as relevant to documentation required to be provided to the Superintendent to satisfy relevant hold points relating to importation/export of material;
- Ensuring a gatekeeper is working at the entrance gate to the site at all times while the gate is unlocked and open to traffic;
- Ensuring that suitable information/communications are maintained such that Consultants are implement inspections/documentation of materials and appropriate records are being maintained for materials used in filling and for the subsequent provision of relevant records to the Superintendent. The Superintendent will also provide a written record to both the Geotechnical and Environmental Consultants, prior to the delivery of materials, of proposed material importation, including origin, volume and estimated time of arrival on-site;
- Fulfil the role of the MTP co-ordinator, or else engage a suitably qualified and experienced subcontractor to complete this role; and
- Maintenance of records and details of material imported and suppliers. Overall supervision should also include screening of material suppliers for suitable material for the filling works.

4.2.4 Subcontractor(s)

All subcontractors engaged by the Superintendent or PC will be required to operate in accordance with the requirements of the FMP and will sign their agreement to abide by the requirements and responsibilities of this FMP as informed by the Superintendent/PC.

Subcontractors should undertake no ground disturbance works until they have been satisfactorily briefed by the Superintendent/PC with respect to the operation of the FMP to ensure materials disturbed during site activities are appropriately managed and documentation of such activities is appropriately completed.

All subcontractors will be responsible for ensuring they are competent to perform their role in the works to the standard necessary to facilitate implementation of this FMP and to report any situation or potential situation that may arise that is inconsistent with the objectives of this FMP.

4.2.5 Environmental Consultant

In relation to the FMP, the Environmental Consultant will be responsible for:

- Undertaking assessment, monitoring and surveillance as may be required by this FMP to evaluate the effectiveness of environmental controls implemented during works;
- Undertake source site inspections and review of imported materials as required under the FMP;
- Providing sound environmental advice and recommendations arising from assessment, monitoring and/or inspections completed in compliance with the FMP to the Superintendent;
- Ensuring a waste classification as per NSW EPA (2014[3]) is provided for any material requiring off-site disposal (ie. material that must be disposed of from the site to a facility lawfully able to accept the waste), or alternatively provide one or more of a VENM certificate or resource recovery order compliance statement to support the off-site removal of material suitable for beneficial reuse that is identified as excess to site requirements;
- Verifying on-site re-use of materials and maintaining the required assessment/quality documentation for the inclusion in the final site validation reports as appropriate to each development lot/stage; and

[3] *Waste Classification Guidelines Part 1: Classifying Waste*, NSW EPA 2014 (NSW EPA 2014)

- Notifying the Superintendent in a timely manner should conditions indicate a potential non-conformance with respect to the requirements of the FMP and for providing subsequent assistance to the Superintendent with regard to rectification/contingency actions associated with non-compliances to ensure that upon completion of the project, a validation report may be issued.

4.2.6 Geotechnical Consultant

In relation to the FMP, the Geotechnical Consultant will be responsible for ensuring:

- Undertaking the requirements specified in relevant geotechnical documents, including R.002 - Specification for fill material;- R.003 - Specification for bulk earthworks; and- R.004 – Detailed Investigation Part 1.
- Completing Level 1 geotechnical supervision;
- Specify and design the compaction works and monitor all processes affecting the compaction of filling placed on site, including testing to ensure the finished filling volume satisfies the final development requirements;
- Specify and monitor technical specifications for filling as outlined in the Earthworks Specification Report; and
- Notifying the Superintendent in a timely manner should conditions indicate a non-conformance with respect to the requirements of the FMP and for providing subsequent assistance to the Superintendent with regard to rectification/contingency actions associated with non-compliances to ensure that upon completion of the project, a geotechnical report may be issued.

4.2.7 Gatekeeper

A suitably skilled and diligent gatekeeper is to be present at the site entry gate at all times while the gate is unlocked, and is responsible for recording and inspecting all deliveries of imported materials to the site.

5. Importation Requirements

5.1 Overview of Regulatory Requirements

The permissibility of importation of material to the site is regulated by the POEO Act and associated Regulations in addition to any COC. The following regulatory instruments/guidelines applying to imported materials were considered in preparation of the importation requirements for the site:

- *Protection of the Environment Operations (Waste) Regulation 2014* and relevant associated resource recovery order and exemptions (RRO/RRE);
- *National Environment Protection (Assessment of Site Contamination) Measure*, National Environment Protection Council, 1999, as amended 2013 (NEPC 2013);
- *Contaminated Land Management Guidelines for the NSW Site Auditor Scheme*, 3rd edition (NSW EPA 2017);
- *Sampling Design Part 1 – Application. Contaminated Land Guidelines.* August 2022 NSW Environment Protection Authority (EPA 2022); and
- Consent conditions as relevant to the site (reference has been made to current MP 10_004, 27/09/2011, Modification 6 dated December 2024 and the associated current EPL) noting that this FMP may require revision upon approval of the SSD and/or revision of the associated EPL.

5.2 Approved Imported Fill Material Types

Imported material will only be accepted to the site if it:

- Meets the definition of Virgin Excavated Natural Material (VENM) as defined in relevant legislation (**Section 5.2.1**); or
- Meets the definition of a current resource recovery order and exemption (RRO/RRE) as defined in the relevant regulations prescribed by the NSW EPA; **AND**
- Appropriate documentation verifying the relevant classification is provided to and approved by the Environmental Consultant to the Superintendent prior to importation; **AND**
- It passes initial inspection at the gate upon import.

5.2.1 Virgin Excavated Natural Material (VENM)

The *Protection of the Environment Operations Act 1997* (Schedule 1) defines VENM as:

'*Natural material (such as clay, gravel, sand, soil or rock fines):*

- *That has been excavated or quarried from areas that are not contaminated with manufactured chemicals or process residues, as a result of industrial, commercial, mining or agricultural activities; and*
- *That does not contain any sulfidic ores or soils or any other wastes.'*

5.2.2 Excavated Natural Material (ENM)

ENM is defined under the *Resource Recovery Order under Part 9, Clauses 91, 92 and 93 of the Protection of the Environment Operations (Waste) Regulation 2014 – The excavated natural material order 2014* (or as may be varied by the EPA) as:

'Naturally occurring rock and soil (including but not limited to materials such as sandstone, shale, clay and soil) that has:

- *Been excavated from the ground, and*
- *Contains at least 98 % (by weight) natural material, and*
- *Does not meet the definition of Virgin Excavated Natural Material in the Act.*

Excavated natural material does not include material located in a hotspot; that has been processed; or that contains asbestos, Acid Sulfate Soils (ASS), Potential Acid Sulfate soils (PASS) or sulfidic ores.'

5.2.3 Other Resource Recovery Exemptions

Material proposed to be imported under all other Resource Recovery Orders must be demonstrated as compliant with the definition presented in the relevant NSW EPA issued Order and a compliance statement provided as per the terms of the Order, whether comprising a general Order published on the NSW EPA website, or issued to a specific premises by the EPA and provided by the Supplier.

5.3 Imported Material Requirements

As detailed below, appropriate documentation verifying the relevant classification of all materials must be completed and provided by the PC to the Superintendent, Environmental Consultant and Geotechnical Consultant (where relevant) for approval prior to authorisation for importation of the materials to the site. Alternatively, the Environmental Consultant may be directed by the Superintendent to complete an appropriate source site assessment as relevant to achieve the FMP objectives prior to final authorisation for importation of the material. JBS&G note a separate process of approval by the Geotechnical Consultant must be satisfactorily completed prior to final approval by the Superintendent to accept the material.

5.3.1 VENM Assessment

Assessment of VENM materials must consider the requirements of NEPC (2013) and EPA (2017[4]) and incorporate a review of the source site history and inspection of materials prior to, as well as during, importation onto the site. A NSW VENM Certificate (**Appendix C**) must also be provided by the supplier to the Environmental Consultant for approval prior to importation of any VENM.

The VENM assessment by the Environmental Consultant will consist of the following, prior to import:

- Review of the supplier provided NSW EPA VENM Certificate by the Environmental Consultant in conjunction with details relating to the source site history, environmental setting, generation history and the potential for impact from activities at the source site and surrounds;
- If sampling and analysis of the material has been undertaken by the supplier or its appointed consultant, the Environmental Consultant will review the analytical data (including the sampling strategy and data quality) to assess if the results are consistent with the material being classifiable as VENM and that the material meets the land use criteria (**Section 6.2**) for import and use on the site:
    - The review will evaluate whether the sampling completed addresses any identified potential sources of contamination and associated COPC;
    - If identified as being required, the Environmental Consultant may conduct additional check sampling to address any gaps in information provided;
    - Any additional sampling requirements should be commensurate with a risk-based approach following review of the source site and the potential for contamination as a result of identified historical/current on and/or off-site activities;

[4] *Contaminated Land Management Guidelines for the NSW Site Auditor Scheme (3rd edition)*, EPA, October 2017 (EPA 2017

- The rate of any additional check sampling will be conducted with consideration to EPA (2022) guidance inclusive of relevant statistical procedures, and should consider the overall quantum of material proposed for import; and
- Sample analytical results must not be detectable at levels above laboratory limits of reporting[5], with the exception of heavy metals.

Consistent with the POEO Act, VENM may be defined on the basis of a qualitative assessment. As such, should the Environmental Consultant consider the pre-import documentation to be sufficient to conclude the material meets the definition of VENM and that the source site poses a low potential risk of contamination, the material may be approved for import without the requirement for further analytical assessment. Additional qualitative assessment of the material to ensure the imported remains consistent with that outlined in pre-importation documentation will be required during importation (**Section 5.3.9**).

If the site history review identifies the potential for an increased risk of contamination and/or potential variability in the material quality from a source site (i.e, different material types and/or material generated from above and below the water table), additional check sampling including laboratory analysis for relevant COPC may be required to ensure the Environmental Consultant can verify the ongoing suitability of material from the source site as excavation works progress. The requirement for and rate of any additional check sampling will be evaluated by the Environmental Consultant on site-by-site basis. The Site Auditor may be consulted to confirm the verification strategy for any sites which may pose a moderate to high risk of variability, as identified by the Environmental Consultant.

The pre-approval review will also include evaluation of provided documentation to ensure proposed material does not contain acid sulfate soils (ASS) or potential acid sulfate soils (PASS), with reference to the ASSMAC (1998) *Acid Sulfate Soil Manual* and additional sample analysis by sPOCAS method, if required (i.e. where pH of material is less than 5 and/or review of applicable ASS Risk Maps indicates the potential presence of ASS, as per the ENM Order 2014).

5.3.2 ENM Assessment

The requirements of ENM assessment are prescribed in *The Excavated Natural Material Order 2014* and associated ENM Exemption 2014, or as updated. It is the obligation of the Supplier to provide all documentation required under the Order inclusive of a Written Statement of Compliance to demonstrate the material comprises ENM. This statement is required to include an ENM Assessment Report prepared by a suitably qualified Environmental Consultant (which must include an assessment of the environmental setting and potential for historical contaminating activities at and surrounding the source site, summary data tables, sampling plan, figures showing source site location and sampling locations, and laboratory reports from a NATA accredited laboratory).

In addition to the Supplier provided Statement of Compliance and to ensure the material is demonstrated as suitable for use at the site following importation, discrete samples must be collected and analysed for asbestos (500ml sample as per NEPC 2013) confirming the absence of asbestos in the material (as ACM and/or AF/FA).

The ENM assessment data must meet all applicable land use criteria including those regarding aesthetics in addition to being defined as ENM.

5.3.3 Other Resource Recovery Products

Sampling of materials as per an EPA RRO is required to be undertaken by the Supplier in accordance with the relevant RRO/RRE. In addition, where materials are proposed for beneficial reuse under a NSW EPA exemption (i.e. imported to the site), fill material will need to be further assessed by the Environmental

[5] *Detections that are shown to be from natural sources and not anthropogenic contamination can be considered VENM.*

Consultant for land use suitability This will include collection of a minimum of three samples per material type/source per import regime and analysis for heavy metals, PAH, OCP, PCB, TRH/BTEX and asbestos (500mL) prior to import to confirm the material meets the land use suitability criteria outlined in the RAP (JBS&G 2026). Further check sampling during import will ensure ongoing suitability and constance of character of materials over the import period (**Section 5.3.9**).

In addition to the Supplier provided Statement of Compliance and to ensure the material is demonstrated as suitable for use at the site following importation, discrete samples must be collected and analysed for asbestos (500ml sample as per NEPC 2013) confirming the absence of asbestos in the material (as ACM and/or AF/FA).

5.3.4 Supporting Documentation

All materials proposed to be imported to site must be accompanied by appropriate supporting documentation which demonstrates the materials conformance to all regulatory requirements.

The supporting documentation must be provided to the Superintendent, Environmental Consultant and Geotechnical Consultant at the earliest practical date. The Consultant will review the supporting documentation and advise the Superintendent whether the material and documentation satisfy all regulatory requirements and is suitable for importation and use at the site.

As a minimum, importation documentation will be required to include:

- Location of the source site;
- Source site history and potentially contaminating activities;
- Material description/observations and volume imported;
- Sampling density, pattern and methodology;
- Summary of analytical results (including analysis by NATA accredited laboratories); and
- Material Classification.

5.3.5 Source Site Material Inspections

Each source site of imported material must be inspected by the Environmental Consultant prior to import (if possible). Should a source site inspection be unable to be completed for a site where required supplied information is complete, the Environmental Consultant must complete a detailed review of available aerial imagery of the source site to evaluate the potential occurrence of any ‘red flag’ conditions (risk of historical site features, observations of material processing and/or spills etc as may be apparent) prior to inspection of the first load delivered to the site at the gate to confirm consistency with that outlined in provided documentation.

5.3.6 Non-Conformances Prior to Import

In the event materials do not meet the definition of VENM, ENM or another RRO/RRE and/or appropriate assessment documentation is not available and/or an inspection of the materials indicate they are inconsistent with provided documentation, the materials will not be approved for importation to the site. Provision of additional information and/or removal of material from the source site (to waste facilities and/or other sites) may enable a second/subsequent re-evaluation of a site, as consistent with the above process.

5.3.7 Approval Prior to Importation

The Environmental Consultant and Geotechnical Consultant will be required to provide written correspondence to the Superintendent approving each material type for importation to the site prior to the commencement of importation. These documents will form part of the validation of the site.

5.3.8 Transport Requirements

The supplier/importer/transporter of fill will be responsible for ensuring appropriate transport of approved fill to the site. Each importation load will be inspected and documented by the gatekeeper upon entry. Where material is deemed unsatisfactory upon arrival, this party will be responsible for its return to the source site or otherwise lawful disposal. A designated quarantine yard will be established (as required under the EPL) to house any material that may arrive at site which is inconsistent with that approved for import. Such materials will be the subject of further assessment by the Site Manager, Superintendent, etc as appropriate to ensure decisions are actioned with regard to rejection of the material and return to the source site (or otherwise characterisation by the Environmental Consultant prior to off-site disposal to a licensed waste facility). Detailed importation tracking registers documenting truck arrival times / source sites and material types will be required as per **Section 7.**

Reference should be made to EPL obligations with regard to management of such instances.

5.3.9 Imported Materials On-Site Inspections and Check Sampling

Imported materials from each discrete source will require to be inspected by the Environmental Consultant on a weekly basis during each importation event. The inspection will be documented inclusive of photographic evidence that the material delivered to site remains consistent with that outlined in pre-approval documentation provided. For materials imported under a relevant RRO/RRE, the supplier must continue to provide the most recent sampling / analysis results conducted to ensure compliance with the RRO/RRE.

If deemed to be required, following a risk-based evaluation of the source site and the potential for variation in material which may be imported from a single source site, check sampling including analysis for relevant COPC may be required. The need for additional or ongoing check sampling would be evaluated by the Environmental Consultant on a site-by-site basis, with consultation with the Site Auditor on the proposed approach as appropriate. Generally, recycled materials are considered to pose a greater potential risk of variability and potential contamination.

The weekly inspections and any additional check sampling (if required) will ensure the materials are consistent with the provided documentation, source site inspection and initial characterisation data. If deemed to be required by the Environmental Consultant, additional source site inspections during the import event may be required, particularly with reference to those sites whereby there are several material types and/or the groundwater table may be intercepted during excavation works.

5.3.10 Reporting

A consolidated summary letter outlining compliance with the above requirements will be completed for each import site or import event.

5.3.11 Material Tracking

All imported materials will be subject to material tracking requirements as described in **Section 7**.

6. Assessment of Existing Site Materials

Significant stockpiled materials remain on the site, previously used as part of brick making activities. The stockpiled material generally comprises shale-clay soils, as well as crushed sandstone and shale material, previously received by the site as part of the brick making process and topsoil generated as a result of previous ground disturbance activities. Further, substantial volumes of in-situ uncontrolled fill materials have been identified associated with former filling activities, which have not been subject to historical assessment or characterisation. Fill material(s) are also present across the broader site, as associated with historical activities (farming / agriculture).

Due to the limitations in accessing some materials as part of previous investigations, and noting the potential for additional contamination that has not been identified as present, the following assessment protocols have been established to confirm the suitability of site soils in accordance with NEPM (2013), considering the proposed commercial/industrial land use (HIL-D and HSL-D) scenario. The Environmental Consultant must confirm the suitability of all site-won fill materials prior to reuse in accordance with the procedures below.

6.1 Sampling and Analysis

6.1.1 Stockpile Sampling Procedure

Soil samples will be collected from the stockpiled fill materials via test pits with the assistance of an excavator, or where appropriate, with hand tools. The employed investigation must ensure that sample locations are advanced through stockpiles such that appropriate inspection of all materials occurs. To ensure an appropriate assessment of the material composition, sample locations will be advanced on an approximate 50 m grid across each stockpile extent, with a minimum of three test pits per stockpile. Consideration may also be given to EPA (2022) sampling design guidelines with respect to the footprint area of the stockpile in developing a sample program.

The soil composition at each location will be logged by an appropriate trained / qualified Environmental Consultant. Discrete samples will be collected at each location approximately every metre interval, or change in lithology. This will be to ensure adequate inspection of stockpiled material(s) across the lateral extent, noting that the number of samples submitted for analysis will be substantially lower than the total number of samples collected.

All samples collected beyond those selected for analysis will be sent to the laboratory on hold future / additional analysis be required.

Where stockpiles do not allow for characterisation to the base of the stockpile (i.e., limitations on excavator reach and/or safety/stockpile stability concerns), the assessment may be staged (i.e., stockpile lifts) and/or other methods may be utilised (drill rig fitted with 150mm solid flight augers).

6.1.2 In-situ Fill Sampling Procedure

Where testing is in-situ, test pits and/or hand auger locations should be completed in a systematic manner to ensure representative samples are obtained from the extent of materials requiring assessment. Where deep fill has been reported, assessment via use of a track mounted sonic rig or similar drill rig may be considered, noting the requirement for a minimum 150 mm diameter auger/core sample as per WA DOH (2009).

Samples should be collected at the surface, and then every metre thereafter or where soil lithology changes and/or indicators of potential contamination are observed. Initial consideration may be given to implementation of the minimum sampling frequency recommended by EPA (2022) for the proposed test area. The sampling frequency for in-situ assessment must ensure that the minimum analytical frequency outlined in **Section 6.1.4** is achieved based on the estimated in-situ volumes (to be calculated on the basis of historical in-situ depth of fill maps prepared by Douglas Partners (Arcadis 2025) provided in **Appendix B**).

As outlined in **Appendix B** substantial depths of fill are noted to be present on site and it is anticipated that assessment will be conducted in stages. Relative Levels (RLs in mAHD) will be recorded for each assessment area, in addition to a survey of the assessment area extent to document the progressive assessment of material(s). The PC will require to ensure excavators are fitted with GPS units to ensure progressive excavation can differentiate validated areas from those requiring assessment. All materials will require to be tracked from source to placement as outlined in **Section 7**.

6.1.3 Sample Collection

Disturbance of the soil should be minimised where possible during sample collection and placement within laboratory supplied containers to reduce the potential for release of volatile organic compounds. Collected samples should then be immediately transferred to laboratory supplied sample jars or placed into asbestos bags. The sample jars will then be transferred to a chilled icebox for sample preservation prior to and during shipment to the testing laboratory.

A chain of custody form is to be completed and forwarded with the samples. Preservation of the primary soil and QA/QC samples (**Section 6.1.5**) obtained during this investigation is to be completed in accordance with recognised protocols (NEPC 2013).

6.1.4 Sample Frequency

The initial sampling frequency to characterise site-won fill materials should be undertaken at a rate of 1 sample per 1,000m^3 (or part thereof). Samples selected should be representative of the encountered material and where necessary provide sufficient lateral and vertical spread within the assessed extent. Should evidence of multiple fill types be identified during the sampling program (**Section 6.1.1** and **Section 6.1.2**), additional analytical samples may require to be selected for analysis to ensure appropriate characterisation occurs.

6.1.5 Quality Assurance / Quality Control

To ensure the data quality objectives of the RAP (JBS&G 2026) are achieved, duplicate and triplicate samples will require to be collected at an overall frequency of 1 per 20 primary samples for nominated contaminants of concern. Further, each sampling event will require to be accompanied by a trip spike and storage blank, to be submitted for BTEX analysis. Where re-usable equipment is used, a rinsate will be collected and submitted for relevant COPC.

6.1.6 Analytical Requirements

The following analysis will require to be undertaken for the samples:

- Heavy metals (arsenic, cadmium, chromium, copper, lead, mercury, nickel and zinc);
- TRH/BTEXN;
- PAH;
- OCP;
- PCB; and
- Asbestos (500ml sample as per NEPC 2013[7]).

In addition to the above, a visual assessment of foreign materials will be required to confirm compliance with NEPM (NEPC 2013) aesthetic criteria (as required, see **Section 6.2.1**).

[7] If visible bonded asbestos containing material (ACM) is identified during the assessment activities, additional quantification will be required consistent with NEPC (2013) guidance as outlined in **Section 6.2.3**.

6.2 Assessment Criteria

Soils should be screened against health investigation and screening levels as relevant to commercial / industrial land use, based on the proposed future site land use. Criteria is provided in **Table 6-3** below. Further land use criteria applicable to the site for other media are outlined in the RAP (JBS&G 2026).

Where there are no NSW EPA made or approved thresholds, the laboratory limit of reporting (LOR) will be adopted as an initial screening value for the purposes of the assessment.

Table 6-1: Summary of Commercial / Industrial HILs and HSLs (NEPC 2013)

Analyte	HIL-D Criteria	HSL-D (Clay, 0-1.0m depth[8]) Criteria
Heavy metals		
Arsenic	3,000 mg/kg	-
Cadmium	900 mg/kg	-
Chromium	3,600 mg/kg	-
Copper	240,000 mg/kg	-
Lead	1,500 mg/kg	-
Mercury	730 mg/kg	-
Nickel	6,000 mg/kg	-
Zinc	400,000 mg/kg	-
TRH/BTEXN		
F1 C6-C10	-	310 mg/kg
F2 C10-C16	-	NL[9]
Benzene	-	4 mg/kg
Toluene	-	NL
Ethylbenzene	-	NL
Xylenes	-	NL
Naphthalene	-	4 mg/kg
PAHs		
Benzo(a)pyrene TEQ	40 mg/kg	-
Total PAHs	4,000 mg/kg	-
OCPs		
DDT+DDE+DDD	3,600 mg/kg	-
Aldrin and Dieldrin	40 mg/kg	-
Chlordane	530 mg/kg	-
Endosulfan	2,000 mg/kg	-
Endrin	100 mg/kg	-
Heptachlor	50 mg/kg	-
HCB	80 mg/kg	-

[8] All data should be initially compared to the shallowest depth range, with any failures further considered based on the expected depth of soils below design levels.

[9] Non-limiting (i.e. the soil vapour concentration for a petroleum mixture could not exceed a level that would result in the maximum allowable vapour risk for the given scenario)

Analyte	HIL-D Criteria	HSL-D (Clay, 0-1.0m depth[8]) Criteria
Methoxychlor	2,500 mg/kg	-
Mirex	100 mg/kg	-
Toxaphene	160 mg/kg	-
Asbestos		
Bonded ACM	0.05% w/w	-
Asbestos Fines/Fibrous Asbestos (AF/FA)	0.001% w/w	-
Surface asbestos	No visible ACM	-

In the event that materials are imported for use as growing media and/or are proposed to be placed within portions of the site considered to have a greater ecological sensitivity (i.e, open space / recreational areas), then comparison of the data to the respective ecological criteria outlined in NEPC (2013) will be required.

6.2.1 Aesthetic Considerations

Reference should be made to NEPC (2013) under the adopted land use setting to establish what constitutes an aesthetics issue. It is anticipated that the criteria will comprise significant proportions of non-soil inclusions containing, but not limited to:

- Materials that may cause injury to people, including metal, glass or other sharp objects;
- Visible ACM present at concentrations below the adopted HSL-D criteria; and/or
- Building and demolition materials such as concrete, brick, terracotta and plastic;

The presence of soil discolouration/staining associated with chemical causes, and/or the presence of odorous or otherwise unpleasant olfactory characteristics of soils will also be considered with regard to aesthetic characteristic concerns.

If an aesthetic assessment does not indicate a risk to human health or the environment (e.g. inert foreign material) then soils may still be suitable to remain on site. Soils placed at depths greater than 3 m below the final surface are not considered to impact the aesthetic features of the future intended land use scenario.

6.2.2 Statistical Criteria

Statistical analysis of the data should be completed, where appropriate, in accordance with relevant EPA made or approved guidance, to facilitate data assessment. The statistical criteria applicable to each population data set will be applied during the assessment:

Either:

- the reported concentrations are all below the site criteria;

Or:

- no single analyte concentration exceeds 250 % of the adopted site criterion;
- the standard deviation of the results is less than 50 % of the site criterion; and
- the 95 % UCL of the average concentration for each relevant analyte is below the adopted site criterion.

Statistical assessment will not be undertaken for asbestos in soil.

6.2.3 Asbestos Quantification

Where assessment of the quantity of asbestos in soil is required for comparison with validation criteria, consistent with NEPC (2013) guidance, bulk soil samples (approximately 10 L) will be collected at each sampling location for material from each 1m depth interval/fill profile. Asbestos quantification (AQ) is expected to be required where asbestos is identified as an unexpected find during assessment activities.

Where asbestos is identified in fill materials, the asbestos Unexpected Finds Protocol (UFP) provided in **Appendix A** will be implemented. Where asbestos is identified in *in-situ* materials, sampling frequencies will be increased (as required) and the impact delineated, consistent with the potential for the presence of asbestos, consistent with DOH (2009).

At each AQ sample location, the collected bulk sample will be sieved in the field (≤7 mm passing) or spread out on contrasting plastic, and separated fragments retained and weighed. The asbestos concentration as ACM in soil will be calculated in accordance with NEPC (2013) and based on the weight of collected fragment/s (assuming 15% asbestos content) divided by the weight of the collected 10 L soil sample, providing a w/w%.

DOH states quantification should relate to the immediate grid area or volume in which contamination is found. As such, where visual bonded ACM is identified within an initial discrete sample, or within a subsequent field AQs, a 500mL sample will be collected and submitted to the laboratory for gravimetric analysis.

Calculation of Bonded ACM and FA Concentration

Asbestos percentage will be calculated as per the formula below:

$$\%\frac{w}{w}\ asbestos\ in\ soil = \frac{\%\ asbestos\ content\ \text{x}\ (bonded\ ACM\ or\ FA)(kg)}{soil\ volume\ (L)\ \text{x}\ soil\ density\ (\frac{kg}{L})}$$

For bonded ACM, an asbestos content of 15% will be used, in accordance with enHealth (2005[10]).

For fibrous asbestos (FA), a conservative asbestos content of 100% will be used.

Where identified, the condition of the ACM will be documented by an appropriately qualified / trained JBS&G person (consistent with the definitions provided in DOH 2009). If ACM is in fair to good condition, it is only proposed to submit a fines sample for laboratory analysis where visual ACM is identified in the field AQ. This approach is consisted with Section 3.2.1 of DOH (2009): where ACM is the primary measure of contamination, asbestos fines (AF) is expected to be co-located.

Should greater than 10 % of discrete samples submitted as part of initial characterisation round (at a rate of 1/1000 m^3) report the presence of AF/FA and/or the ACM is deemed to be in poor to friable condition, further laboratory analysis as part of subsequent quantification activities will be required on 500 ml AQ soil samples to ensure the potential presence of AF/FA in the material is appropriately characterised / quantified. This additional analysis will be implemented as proportionate to the total stockpile volume or assessment area and will consider the potential heterogeneity of the material, such that lines of evidence are provided in each report on the suitability of the completed inspection/sampling and analysis density.

6.3 Assessment of In-situ Natural Soils for Re-use

The purpose of this FMP is principally to confirm the suitability of site won fill materials which have not previously been the subject of characterisation and which are proposed to be re-used on the site. During redevelopment and/or rehabilitation works, there is the potential that in-situ natural soils may be subject to

[10] *Management of Asbestos in the Non-Occupational Environment*, EnHealth Council, 2005 (enHealth 2005)

excavation and subsequent use as engineered fill. The following will be required to ensure documentation is available to support the suitability of the insitu natural soil/rock for reuse under this scenario:

- Confirmation by visual inspection and sampling and analysis that the overlying fill material(s) are not contaminated; and/or
- Confirmation the natural material is not overlain by an area of known or suspected contamination which may have seeped / leached via vertical and/or lateral migration;
- Visual inspection confirms the natural soils are free of visual and olfactory indicators of potential contamination (staining / odours) and are consistent with the underlying site lithology / geology.

Where natural soils are overlain by contaminated material(s) and are proposed for excavation and re-use, additional visual inspection to confirm removal of contaminated material(s) and/or validation sampling and laboratory analysis of the natural material may be required to confirm its suitability for reuse. In this circumstance, soils will require to be characterised as per **Sections 6.1.3** to **6.1.6** and/or validation data collected to meet the RAP requirements relied upon.

6.4 Reporting

Following sampling and analysis, a letter should be prepared by the Environmental Consultant detailing the suitability of soils for reuse. No reuse of materials is to occur prior to written confirmation from the Environmental Consultant to the Superintendent confirming site suitability.

Materials tracking should be completed for all site-won fill materials in accordance with **Section 7**.

6.5 Non-Conformances Procedure

Should any unexpected finds be identified during excavation and reuse of site-won materials, the area should be isolated for investigation by the Environmental Consultant and UFP followed (**Appendix A**).

Soils will be assessed against criteria in accordance with **Section 6.2**. In the event that soils do not meet site criteria, remediation or off-site disposal may be required. Remediation should be completed in accordance with the principles established in the site RAP (JBS&G 2026). Soils requiring off-site disposal should be classified in accordance with the NSW EPA Waste Classification Guidelines (2014) and disposed to a suitably licenced landfill.

7. Material Management Procedures

7.1 Overview

The management of materials from the source location to the final placement location will be controlled by the procedures as documented in the RAP (JBS&G 2026), inclusive of the materials tracking procedure, preparation of material characterisation and tracking forms.

All materials which are approved for on-site re-use and/or importation to the site must be tracked to final placement. Tracking will also be required for unexpected finds. Prior to final placement of material, the placement area is required to be documented by recording the destination site reference (or GPS/survey information) and where possible, a spot height recorded prior to placement with survey documentation confirming placement relative levels (RLs) for materials placed as part of quarry rehabilitation/bulk earthworks.

Material tracking shall be required for all materials that are imported to / moved / excavated from a location on the site and not wholly replaced in the same location within 12 hours of material movement (i.e. soils excavated for potholing/ test pitting / assessment do not require material tracking). However, all other material will require tracking to complete quarry rehabilitation, bulk earthworks and to achieve design levels ready for associated infrastructure works.

Temporary stockpiling and material movement will require to be managed in accordance with the procedures outlined in the RAP and the Remediation Environmental Management Plan (REMP) for the site.

The anticipated process for material management and relevant hold points are outlined as follows:

1. Source Identification and Approval

- Identify source site and material classification (e.g. ENM / VENM / RRO/RRE) and/or on-site fill material.
- Review source documentation (analytical data, site history).
- Visual inspection of material at source (for import sites).
- **Hold Point:** Environmental Consultant to approve source material prior to import and/or approve site won materials for re-use.

2. Transport and Tracking

- All import loads tracked via register system (origin, volume, date, transporter).
- All on-site relocation of fill material loads tracked (source, volume, date, placement location).

3. Receipt and On-Site Inspection

- Visual inspection by gate keeper of each load upon arrival for import.
- **Hold Point:** Gate keeper acceptance of material prior to unloading
- Weekly inspection by Environmental Consultant with collection of periodic check samples for imported materials (as needed).
- Non-conforming material to be rejected via the quarantine area arrangements (as relevant) and removed from site.

4. Stockpiling (if required)

- **Hold Point:** Segregation of materials by source and classification (if possible) until all check samples received.

- Surveying of stockpiled material and/or placed material to confirm volumes imported / site won materials proposed for re-use.

5. Placement of Fill

- **Hold Point:** Placement areas designated and surveyed prior to placement.
- Controlled compaction in accordance with geotechnical requirements.
- **Hold Point:** Geotechnical inspection/testing prior to placement of subsequent layers (where required).

6. Survey and Verification

- Survey of placed fill to confirm extent and levels.
- **Hold Point:** Survey verification of final levels and placement extent.

7. Documentation and Reporting

- Compilation of tracking records, inspection logs, validation results and survey data.
- Preparation of fill summary / validation report (as required).

7.2 Approvals

All site-won and imported fill materials will require the written approval of the Environmental Consultant and Superintendent prior to reuse on site. Any soils identified to be non-compliant are to be isolated and subject to further investigation as per the UFP in **Appendix A**.

7.3 Non-conformances

During importation, if any VENM, ENM or material classified under a RRO/RRE is identified to contain foreign materials (other than specified under ENM or Resource Recover Order) and/or other indicators of contamination then importation will cease and the area isolated for further investigation by the Environmental Consultant.

Non-compliant imported fill should be classified as per EPA (2014b) Waste Classification Guidelines and lawfully disposed off-site. Any non-conformances must be reported on and addressed in accordance with the requirements set out in **Section 5.3.6**.

During reuse of site-won and imported materials, the UFP (**Appendix A**) should be followed should any indicators of contamination be identified.

All non-conformances will be reported to the Superintendent, who will be responsible for notifying the Site Owner, and ensuring corrective actions are closed out.

All non-conformances with management protocols observed during the monitoring and quality control procedures will be recorded. An incident report should be completed which includes details of the filling supplier, truck configuration, truck and trailer registration, material type, reason for non-compliance, and the appropriate corrective actions taken by the assigned responsible party(ies).

8. Limitations

This report has been prepared for use by the client who has commissioned the works in accordance with the project brief only, and has been based in part on information obtained from the client and other parties. The report has been prepared specifically for the client for the purposes of the commission, and no warranties, express or implied, are offered to any third parties and no liability will be accepted for use or interpretation of this report by any third party.

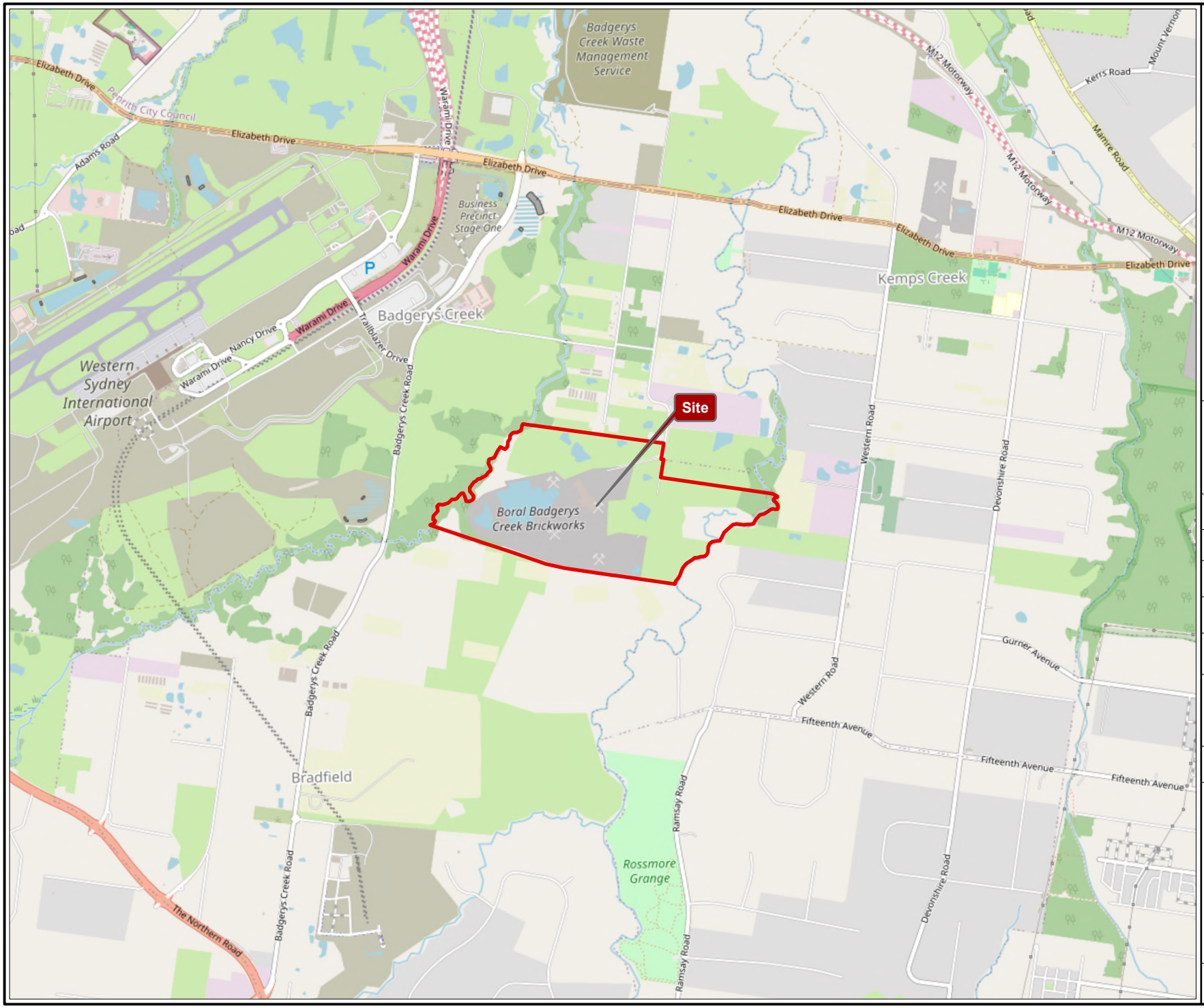
The advice herein relates only to this project and all results conclusions and recommendations made should be reviewed by a competent person with experience in environmental investigations, before being used for any other purpose. This report should not be amended in any way without prior approval by JBS&G, or reproduced other than in full including all attachments as originally provided to the client by JBS&G.

Sampling and chemical analysis of environmental media is based on appropriate guidance documents made and approved by the relevant regulatory authorities. Conclusions arising from the review and assessment of environmental data are based on the sampling and analysis considered appropriate based on the regulatory requirements or agreed scope of work.

Limited sampling and laboratory analyses were undertaken as part of the investigations undertaken, as described herein. Conditions between sampling locations and media may vary, and this should be considered when extrapolating between sampling points. Chemical analytes are based on the information detailed in the site history. Further chemicals or categories of chemicals may exist at the site, which were not identified in the site history and which may not be expected at the site.

Changes to the conditions may occur subsequent to the investigations described herein, through natural processes or through the intentional or accidental addition of contaminants. The conclusions and recommendations reached in this report are based on the information obtained at the time of the investigations.

This report does not provide a complete assessment of the environmental status of the site, and it is limited to the scope defined herein. Should information become available regarding conditions at the site including previously unknown sources of contamination, JBS&G reserves the right to review the report in the context of the additional information.



Legend

Approximate Site Boundary

JBS&G

Job No: 70609	
Client: Goodman	
Version: R04 Rev A	Date 13/02/2026
Drawn By: TS	Checked By: CK

Scale 1:40,000

0 500 1,000

metres

Coord. Sys. GDA2020 MGA Zone 56

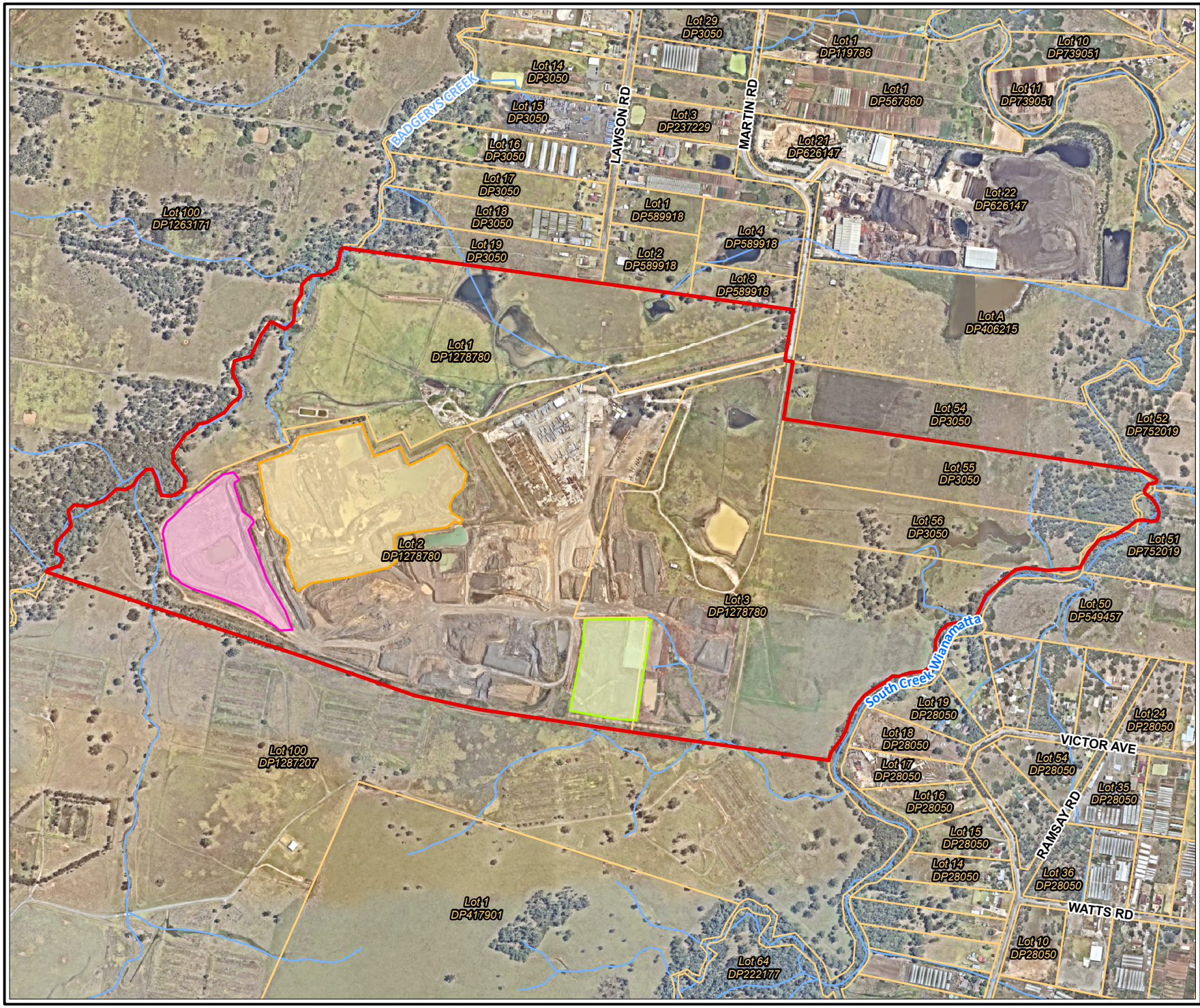
235 Martin Road, Bradfield, NSW

SITE LOCATION

FIGURE 1

File Name: 70609_BradfieldQuarryRehabRemediationWorks_R04RevA

Reference: © OpenStreetMap (and) contributors, CC-BY-SA



Legend

- Approximate Site Boundary
- NSW Cadastre
- Surface Water Line
- Pit 1
- Pit 2
- Pit 3

JBS&G

Job No: 70609	
Client: Goodman	
Version: R04 Rev A	Date 13/02/2026
Drawn By: TS	Checked By: CK

Scale 1:12,500

0 200 400
metres

Coord. Sys. GDA2020 MGA Zone 56

235 Martin Road, Bradfield, NSW

SITE LAYOUT

FIGURE 2

File Name: 70609_BradfieldQuarryRehabRemediationWorks_R04RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 14/12/2025)



Legend

- Approximate Site Boundary
- NSW Cadastre
- Surface Water Line

JBS&G

Job No: 70609	
Client: Goodman	
Version: R04 Rev A	Date 18/03/2026
Drawn By: TS	Checked By: CK
Scale 1:12,936	

0 100 200
metres

Coord. Sys. GDA2020 MGA Zone 56

235 Martin Road, Bradfield, NSW

PROPOSED DEVELOPMENT

FIGURE 3

File Name: 70609_BradfieldQuarryRehabRemediationWorks_R04RevA
Reference: Nearmap - www.nearmap.com (Capture Date: 14/12/2025)

Appendix A Unexpected Finds Protocol

Unexpected Finds Identification

The site was historically used as a quarry and brick making factory. Previous investigations undertaken at the site have mainly identified TRH and asbestos contamination (JBS&G 2026). There is potential for further contamination that may be encountered during the remediation and redevelopment of the site.

The nature of any contaminant hazards that may be present at the site are generally detectable through visual or olfactory means, and may include:

- Petroleum contaminated soils (staining, visible discolouration, odours);
- ACM in or on soils (i.e. irrigation pipes, visible asbestos with exception of AF/FA);
- Containers / drums of chemicals (visible/ odorous);
- Construction / demolition / general waste (visible);
- Ash and/or slag contaminated soils / fill materials (visible);
- Per-and-poly fluoroalkyl substances (PFAS) contaminated soils; and
- Volatile organic compound (VOC) contaminated soils (odorous).

As a precautionary measure to ensure the protection of site workers and the surrounding community, should any of the abovementioned substances be identified (or any other unexpected potentially hazardous substance), the procedure detailed in the following sections is to be implemented.

The unexpected finds protocol should be made readily available for view by onsite workers and visitors, and must be referred to during the Site-Specific Induction by the Principal Contractor (refer to **Figure A**).

Unexpected Finds Register

Consistent with the ERM FMP (2025), all unexpected finds identified on site should be documented in an unexpected finds register. A copy should be made available onsite to allow initial documentation of any unexpected finds and to provide a record of successfully managed unexpected finds.

Assessment of Unexpected Finds

The sampling strategy for the characterisation and validation of each ‘unexpected find’ shall be designed by a suitably qualified and experienced Environmental Consultant. The sampling strategy will be dependent upon the nature and extent of the unexpected find and will consider the nature of the substance including whether it is hazardous and if its concentration poses an unacceptable risk to human and/or ecological health.

The sampling strategy will be developed in accordance with guidelines made or endorsed by the NSW Environment Protection Authority (EPA), namely the NEPC 2013) and will consider sampling frequencies required by the EPA *Sampling Design Guidelines* (EPA 2022). Approaches to the assessment and management of potential unexpected finds is provided below.

A statistical methods summary has been developed to support assessment of material heterogeneity in the event isolated unexpected contamination is identified within a larger data-set to assist with determining if further assessment is warranted.

Assessment and Management Strategy

General Management Strategy

The general management strategy for UFPs will be dependent on the results of an initial characterisation assessment. Generally, materials will be retained on the site if they are assessed by the Environmental Consultant to be suitable for the proposed commercial/industrial land use in accordance with NSW EPA made or endorsed guidelines including NEPC (2013) guidance.

Alternatively, unexpected finds may be managed via offsite disposal. All soil requiring offsite disposal will be classified, managed and disposed in accordance with the *Waste Classification Guidelines* (NSW EPA 2014) or EPA waste exemptions (if appropriate). Appropriate documentation shall be maintained to provide evidence for all soil disposal and provided to the Environmental Consultant for inclusion in validation/clearance reports.

Asbestos On or In Soil Management

The occurrence of ground surface and/or buried materials known or suspected to contain asbestos will trigger implementation of assessment activities as per the Unexpected Finds Protocol (**Flowchart 1**). Where asbestos is identified in fill material, the UFP provided in **Flowchart 2** will be followed.

Should significant (e.g. large areas of asbestos on ground surface or buried within soils) asbestos unexpected finds or impact be identified during the initial assessment, the assessment may identify that alternative remedial works procedures to excavation and off-site disposal are more appropriate to address the finds. Where such conditions are encountered, one or more of the following procedures may be considered most appropriate to address/ remediate the identified impacts. Consideration of the suitability of the various options will be undertaken with the Site Owner, Superintendent and its representatives in addition to the Principal Contractor.

In addition to consideration of NSW EPA made or approved guidance for contaminated land, the presence of asbestos will also trigger compliance with the requirements of NSW Work Health and Safety legislation, regulations and Codes of Practice (SWA 2022a[11] and 2022b[12]).

Assessment of ACM Impacted Material

If bonded (non-friable) asbestos containing material (ACM) is identified within buried material rather than on the surface or within redundant infrastructure, dependant on the extent and/or quality of the material, asbestos quantification may be a suitable option to assess the potential suitability of such material to remain on site and so reduce costs associated with offsite disposal.

Potential areas of fill can undergo quantification assessment to establish if the concentrations of asbestos in soil are within the acceptable NSW EPA endorsed NEPC (2013) site criteria applicable for the appropriate proposed land use (commercial/industrial). The outcome of the assessment will determine the options for reuse and/or requirements for remediation of the identified material.

Field Sampling and Analytical Process

The following process outlines a risk-proportionate approach to additional asbestos quantification (AQ), consistent with the principles of NEPC (2013) and WA DOH (2009) where bonded asbestos containing materials (ACM) are identified in materials proposed for on-site re-use.

The process has been developed to avoid unnecessary delays and costs associated with excessive testing regimes whilst maintaining appropriately conservative escalation procedures to ensure adequate assessment occurs where asbestos is identified. This will be to manage the potential short term and long

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[11] *How to Manage and Control Asbestos in the Workplace: Code of Practice*. SafeWork Australia dated December 2022 (SWA 2022a)
[12] *How to Safely Remove Asbestos: Code of Practice*. NSW SafeWork Australia dated December 2022 (SWA 2022b)

term exposure risks associated with asbestos and ensure materials are sufficiently characterised to inform decision making on the suitability of material(s) for re-use and/or any requirements for remediation and/or management in accordance with NSW EPA made or approved guidance on contaminated land.

Background

Consistent with DOH (2009), ACM is the recommended primary measure of asbestos contamination, unless fibrous asbestos / asbestos fines (FA/AF) are present in significant concentrations (>10 % of ACM quantity). Further, if AF arises from co-located ACM, DOH states it is unlikely to exceed 10 % of ACM unless mechanically processed (i.e., circular saw damage). For this protocol, the field and analytical requirements are based on ACM being a primary measure where it is visually identified as an unexpected find in stockpiled material(s), unless data / observations suggest otherwise (i.e., suggest potential for significant AF/FA contamination).

For stockpile assessment, it is acknowledged that DOH (2009) suggests an asbestos sampling density of 14 samples per 1,000m^3 and further, the NSW EPA *sampling design guidelines* (EPA 2022) suggest stockpiles be assessed at a rate of 1/25 m^3 if they are proposed for on-site reuse (without ongoing management). Further increased densities are noted for in-situ assessment where asbestos is identified. For the site, these sampling densities are broadly impractical for assessment activities given the substantial volumes of material requiring characterisation (i.e., individual stockpile volumes exceeding 100,000 m^3 and in-situ fill to depths of over 20m). On this basis, JBS&G has developed a risk based approach to be adopted to address asbestos unexpected finds in fill materials requiring assessment.

Asbestos Quantification and Laboratory Analysis

As noted above, as a minimum insitu fill and stockpiles are required to be assessed at a rate of at least one sample per 1000 m^3 in accordance with the site FMP. As outlined in **Section 6.1**, initial inspection and sampling of material(s) is required by implementation of intrusive investigation regimes on an approximate grid spacing and/or at minimum sampling densities based on the assessment area(s) consistent with EPA (2022). The purpose of the sampling / inspection program is to ensure adequate visual assessment of material composition both laterally and vertically for stockpiles and insitu fill.

As outlined herein, characterisation of fill material will include collection of discrete soil samples. Should visual ACM be identified, then the material will be subject to asbestos quantification in accordance with the methodology outlined in DOH (2009), with the level of assessment to follow the process outlined in **Flowchart 2**.

DOH states quantification should relate to the immediate grid area or volume in which contamination is found. As such, where visual bonded ACM is identified within an initial discrete sample, or within a subsequent field AQs, a 500mL sample will be collected and submitted to the laboratory for gravimetric analysis. Regardless of the presence of visual ACM, a sufficient number of samples will require to be submitted to the laboratory for AF/FA at a rate of 1/1000m^3 to meet the sampling frequencies outlined in **Section 6.1.4** and ensure sufficient assessment of the potential presence of AF/FA is completed.[3]

The asbestos concentration as ACM in soil will be calculated in accordance with NEPC (2013) and WA DOH (2009) and based on the weight of collected fragment/s (assuming 15 % asbestos content), divided by the weight of the collected 10 L soil sample, providing a concentration as w/w % ACM in soil. Validation criteria will be adopted in accordance with NEPC (2013) for the permissible land use, being 0.05 % w/w ACM in soil for a commercial / industrial land use scenario.

Where identified, the condition of the ACM will be documented by an appropriately qualified / trained JBS&G person (consistent with the definitions provided in DOH 2009). If ACM is in fair to good condition, it is only proposed to submit a fines sample for laboratory analysis where visual ACM is identified in the field AQ. This approach is consisted with Section 3.2.1 of DOH (2009): where ACM is the primary measure of contamination, AF is expected to be co-located.

Should greater than 10 % of samples submitted as part of initial characterisation round (at a FMP rate of 1/1000 m^3) report the presence of AF/FA and/or the ACM is deemed to be in poor to friable condition, further laboratory analysis as part of subsequent quantification activities will be required on 500 ml AQ soil samples to ensure the potential presence of AF/FA in the material is appropriately characterised / quantified. This additional analysis will be implemented as proportionate to the total fill volume and will consider the potential heterogeneity of the material, such that lines of evidence are provided in each report on the suitability of the completed inspection/sampling and analysis density.

Where quantification assessment of ACM in soil is required for comparison with validation criteria, this will be completed as per **Section 6.2.3**, and assessed against site criteria as per **Section 6.2**.

Asbestos Management Procedures

All asbestos removal works must be carried out by an appropriately licenced (Class A or Class B) contractor depending on the type (friable or non-friable) and amount (greater than 10 m^2 of non-friable ACM) to be removed.

If less than 10 m^2 of non-friable ACM is to be removed, a licence is not required but the person or persons undertaking the works must be trained in the identification and safe handling of asbestos prior to undertaking the works. The person(s) is also required to comply with the duties as outlined in SafeWork Australia (SWA 2022a and 2022b).

During any remediation works associated with friable asbestos, air monitoring and dust suppression will be required at all times. It is recommended that these controls are also implemented for non-friable asbestos works.

Ash / Slag / Demolition / General Waste Impacted Fill Material

Any identified ash / slag or demolition / general waste material in fill materials should be inspected by an appropriately qualified and experienced Environmental Consultant, and if required will be sampled and analysed for relevant contaminants.

The extent of the impacted area may be determined by excavation and stockpiling of the unexpected find and/or by test pitting on a grid pattern within and surrounding the unexpected find.

Ash / slag and demolition / general waste material can pose an aesthetic issue to site suitability if present in sufficient quantities on or near the ground surface. In the event visual inspection identifies sufficient quantities of ash / slag and demolition / general waste, then further assessment will likely be required to assess appropriate management options for the material.

If the assessment deems the ash / slag or demolition / general waste material unsuitable for the proposed land use, this material will require remediation or management.

It is noted that open air burning of materials is prohibited in all NSW Local Government Areas (LGAs).

Uncontrolled filling may also present compaction and geotechnical issues, which would require assessment by appropriately qualified and experienced geotechnical engineers. Geotechnical considerations are beyond the scope of this document.

Petroleum Drums / Chemical Containers / Chemically Impacted Soils

In the event drums and / or other chemical containers are observed then an appropriately qualified and experienced Environmental Consultant will identify the type of contaminant present in the drum or chemical container as far as practicable and safe to do so. The Environmental Consultant will also need to assess adjacent soils for residual contaminants in accordance with NEPC (2013) and EPA guidelines.

Any drums / chemical containers will be removed / disposed offsite to a licensed disposal facility in accordance with relevant guidelines and codes of practices for the type of contaminant identified. This may

include removal of liquids, flammable materials or hazardous materials from the interior and / or adjacent soils of the unexpected find.

Should any malodourous, stained or otherwise impacted soils be observed then the unexpected find should be inspected and sampled by an appropriately qualified and experienced Environmental Consultant in accordance with the NEPC (2013) and EPA guidelines. If VOCs are identified, an appropriate soil vapour assessment will be undertaken if materials are to be considered for onsite retention. Materials not considered suitable for onsite retention / re-use shall be excavated and disposed off-site with appropriate waste classification documentation (as required).

Soil analytical data will be assessed against appropriate land use criteria when assessing material for onsite retention / re-use. Soil and/or fill not suitable for onsite retention / re-use or requiring offsite disposal will be classified in accordance with NSW EPA Waste Classification Guidelines and/or relevant EPA waste exemptions. Soils not suitable to be retained onsite will require offsite disposal to a licensed waste disposal facility.

Statistical Assessment Overview and Purpose

This attachment outlines the statistical methodology proposed to be adopted to assess material heterogeneity within the relevant stockpile following identification of asbestos containing material and/or other contaminants of concern as part of assessment activities and/or as an unexpected find.

The objective of the statistical assessment is to evaluate whether stockpiled / insitu fill material represents:

- A single, broadly heterogeneous fill population; or
- Multiple distinct material populations that may warrant additional asbestos quantification (AQ) based on variability of characteristics, and therefore potentially sources.

This statistical review forms part of the decision framework presented **Flowchart 2**. JBS&G note this is designed to be an additional tool to evaluate whether further assessment of fill material may be warranted, and must be used in conjunction with other qualitative measures, including field observations relating to material heterogeneity and the presence of anthropogenic inclusions.

Geological Context

The site is located within a Western Sydney shale quarry setting, underlain generally by Bringelly Shale of the Wianamatta Group, noting also the occurrence of tertiary alluvial deposits localised to the riparian zones at the east and west most extents, which are expected to overlay the Shale. Relevant geological characteristics include:

- Fine-grained claystone and shale dominant lithology;
- Generally elevated but regionally consistent background trace metal concentrations; and
- Limited natural lithological variability compared to fluvial or mixed estuarine environments.

Quarry reject material derived from this formation is expected to be generally:

- Chemically consistent at bulk scale;
- Moderately heterogeneous at particle scale; and
- Characterised by relatively uniform trace metal signatures.

As such, significant geochemical divergence within a stockpile generated from site won materials would more likely reflect:

- Introduction of anthropogenic fill;
- Imported material; or

- Localised contamination,

rather than natural geological variation.

Rationale for Use of Zinc as Statistical Indicator

Zinc has been adopted as the sole statistical indicator metal for heterogeneity screening for the reasons outlined in the following sections.

Low Geological Variability

Within the Wianamatta Group shale:

- Zinc concentrations are generally regionally consistent;
- Background variation is moderate but not extreme; and
- Significant concentration elevations typically reflect anthropogenic input rather than lithological change.

Other metals (e.g., chromium, nickel etc) may reflect mineralogical variation and are less diagnostic of fill mixing in this geological setting.

Sensitivity to Anthropogenic Material

Zinc is commonly enriched in:

- Galvanised metal fragments;
- Painted materials;
- Rubber and tyre residues; and
- Construction and demolition waste.

Accordingly, zinc is a sensitive tracer for anthropogenic inclusions within otherwise natural shale-derived material.

Statistical Stability

Zinc datasets typically:

- Exhibit measurable spread;
- Respond clearly to material mixing; and
- Provide sufficient dynamic range for co-efficient variation (CV) based heterogeneity screening.

By comparison, using all metals simultaneously can:

- Dilute sensitivity;
- Introduce lithology-driven variance; and
- Produce conflicting statistical signals.

The objective of this assessment is not contaminant delineation, but material consistency screening. A single sensitive tracer metal is therefore considered more appropriate than adoption of assessment via all metals results.

Conservatism

Zinc is generally more mobile and anthropogenically responsive than many other trace metals present in shale. Using zinc as the screening parameter is therefore conservative with respect to detecting mixed material populations.

Statistical Methodology

Data Preparation

1 – Non-detects = half limit of reporting (LOR), where applicable.

2 – Data assessed for skewness.

3 – Log transformation applied where distribution is positively skewed.

Descriptive Statistics

The following parameters will be calculated:

- Mean;
- Median;
- Standard deviation (SD);
- Coefficient of Variation (CV) = (SD / mean) x 100

Trigger Criteria

The following interpretation framework is presented. A representative dataset of 82 samples collected from non-contaminated quarried materials (including A-grade quarry rejects and processed materials, comprising clay and shale) was subject to statistical assessment to establish a baseline CV:

CV = 55 %

Log-CV = 50 %.

This is considered to represent typical natural variability for zinc in general site won material(s). On this basis the following triggers have been set for initial screening purposes:

- **CV ≤ 55 %** - Consistent with typical heterogeneous quarry reject material.
- **CV 55–75 %** -Elevated heterogeneity but potentially consistent with mixed shale reject and minor uncontrolled fill.
- **CV > 75 %** - Indicative of potential mixed material populations, subject to confirmation by secondary trigger criteria.

Where CV (long transformed data) > 75 % **AND** at least one of the following:

- Statistically significant outlier identified (Grubbs test, $\alpha = 0.05$); and/or
- Bimodal distribution evident: 10 % of results exceed 2 × median; and/or
- Spatial clustering of differentiated results observed; then

the material will require additional asbestos quantification to assess potential variability. It is noted that the 75 % trigger is equal to 1.35 x the assessed background variability which is considered to be a meaningful increase and appropriate trigger.

Limitations

The following limitations are noted:

- Statistical assessment does not replace visual inspection.
- Small datasets ($n < 10$) reduce reliability of CV interpretation.
- The method is intended for material consistency screening, not regulatory compliance determination of contamination thresholds.

There is the potential for false negatives to be reported where the dataset is limited and/or as a result of site won materials being similar in composition. As such, the statistical test is designed to provide another line of evidence, however emphasis must be placed on other qualitative tests should the statistical assessment not report potential variability, including, but not limited to, visual observations of material heterogeneity, observations of anthropogenic waste and number of locations which reported the presence of visible ACM.

Statistical Assessment Conclusions

Given the geological consistency of Bringelly Shale-derived quarry material in Western Sydney, significant zinc variance beyond typical heterogeneous fill behaviour is considered a reliable indicator of potential mixed material populations.

The methodology presented herein is considered consistent with risk-based contaminated land assessment principles and proportional regulatory response.

Validation of Unexpected Finds

Areas of unexpected finds will be subject to validation by an appropriately qualified and experienced Environmental Consultant. Validation will be undertaken to demonstrate that unexpected finds have been managed and remediated to render the suitable for commercial/industrial land uses. The principles of the RAP (JBS&G 2026) will require to be implemented for validation activities.

Validation will require a visual inspection at a minimum and, where deemed necessary by the Environmental Consultant, collection of samples for analysis. All validation, waste classification and characterisation should be carried out in accordance with EPA (2022), NEPC (2013) and where required, EPA (2014b).

Assessment and Validation Criteria

Unexpected finds will be validated to the commercial/industrial land use criteria, as per **Section 6.2**, including aesthetic criteria, consistent with the RAP (JBS&G 2026).

Clearance / Validation Reporting

Clearance / validation letter reports will be prepared at the completion of the management of each unexpected find. The clearance / validation letter will be prepared in general accordance with relevant EPA published or endorsed guidelines, documenting the works undertaken.

The letter report will generally contain:

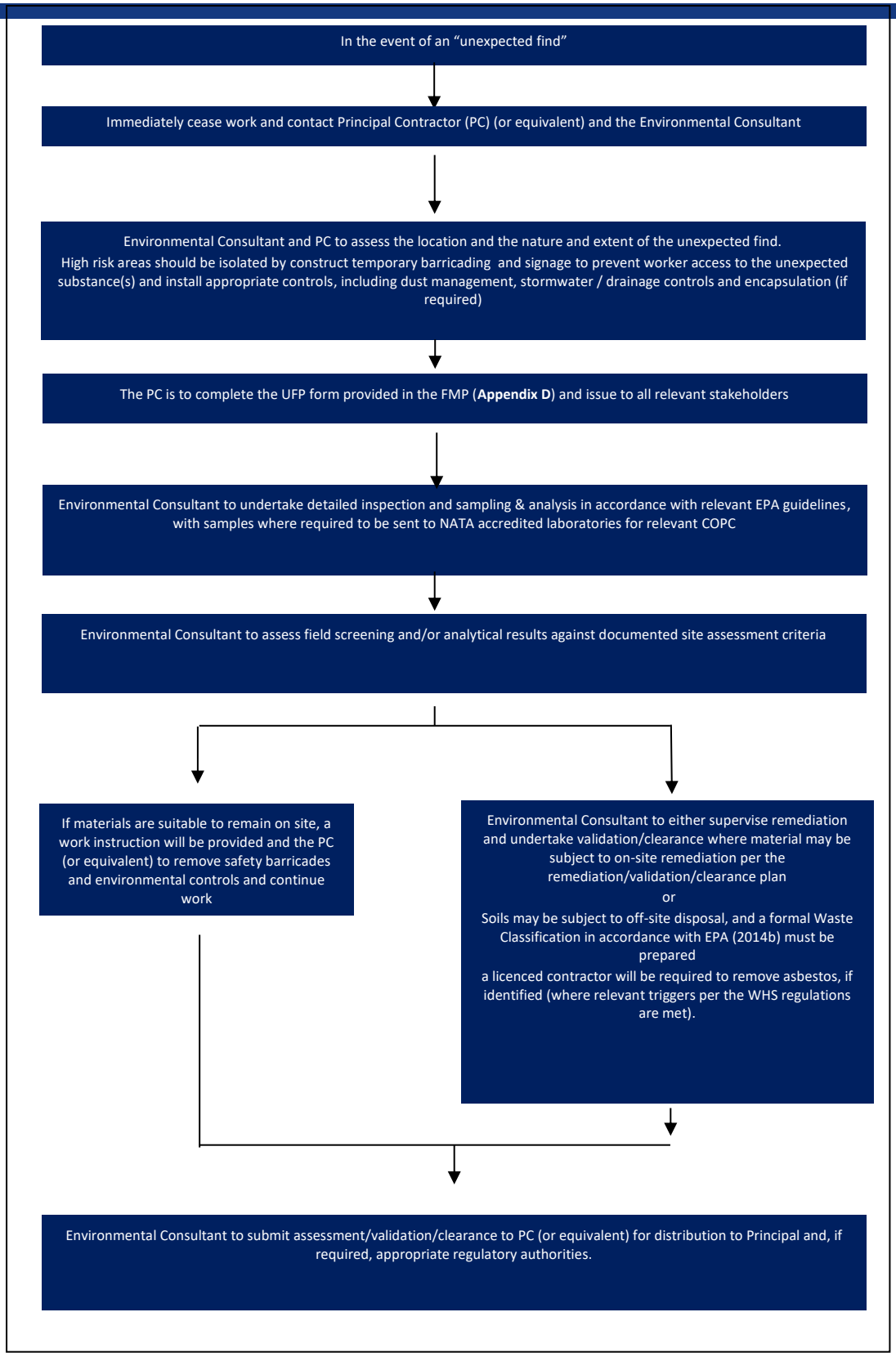
- Details on type of contaminant, size, extent and location of the unexpected find;
- Information demonstrating that the unexpected find was adequately assessed (including sampling plan, all relevant analytical or observational data, QA/QC);
- Information on the remediation / management of the unexpected find (such as disposal dockets from a licensed waste facility or asbestos surface picking);
- Information on the clearance / validation of the unexpected find to meet the adopted site criteria (including all relevant analytical and / or observational data);
- Advice on the removal of temporary exclusion zones and return to work as per the Unexpected Find Protocol (**Flowchart 1** below).

Validation documentation may also be consolidated and included in future Validation Report(s) to be prepared for the site.

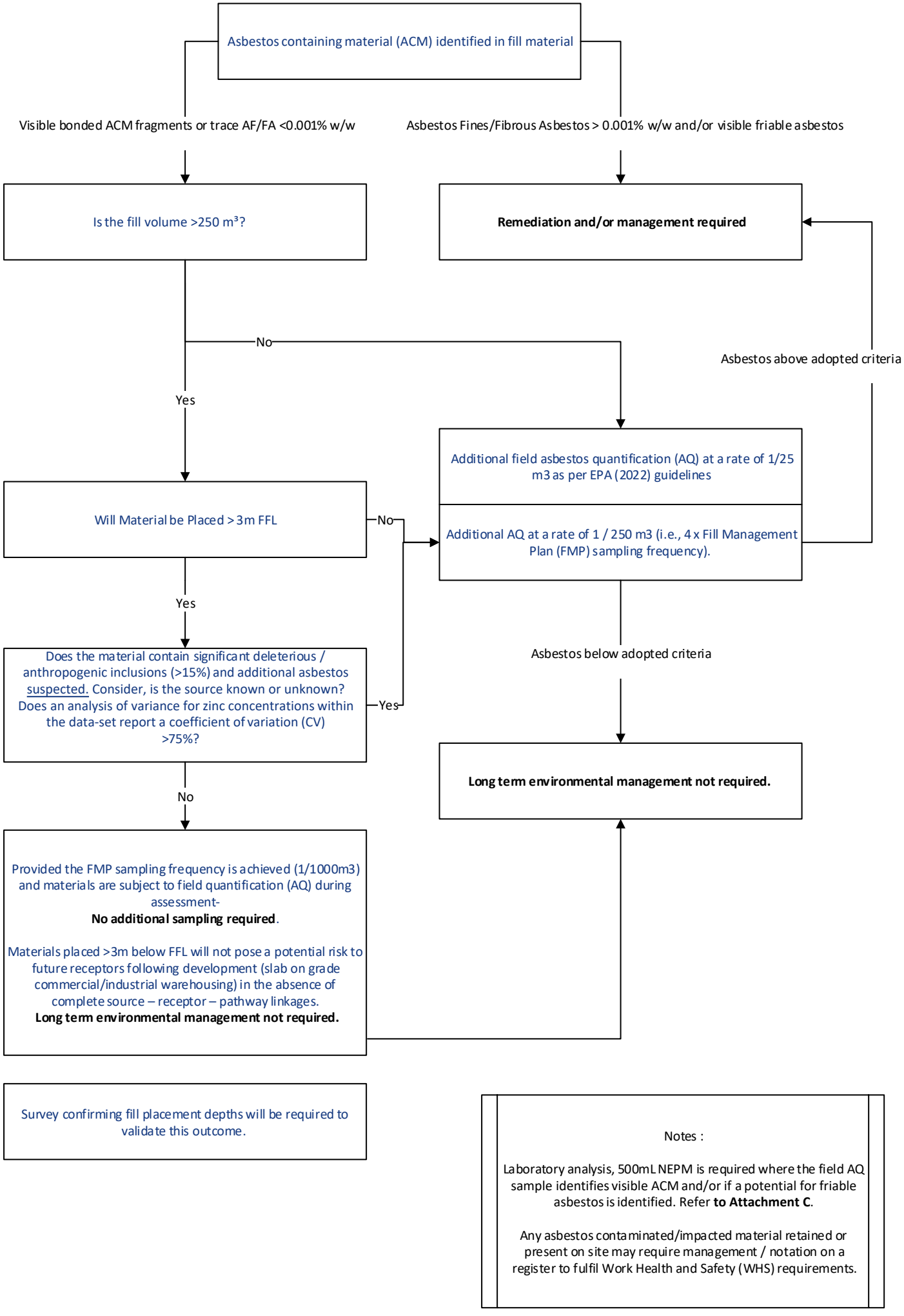
Figure A – Unexpected Finds Summary



Flow Chart 1 – Unexpected Finds Protocol Flowchart



Flow Chart 2 – Asbestos Unexpected Finds Protocol Flowchart


Asbestos containing material (ACM) identified in fill material
Visible bonded ACM fragments or trace AF/FA <0.001% w/w
Asbestos Fines/Fibrous Asbestos > 0.001% w/w and/or visible friable asbestos
Is the fill volume >250 m³?
Remediation and/or management required
No
Yes
Asbestos above adopted criteria
Additional field asbestos quantification (AQ) at a rate of 1/25 m3 as per EPA (2022) guidelines
Will Material be Placed > 3m FFL
No
Additional AQ at a rate of 1 / 250 m3 (i.e., 4 x Fill Management Plan (FMP) sampling frequency).
Yes
Asbestos below adopted criteria
Does the material contain significant deleterious / anthropogenic inclusions (>15%) and additional asbestos suspected. Consider, is the source known or unknown? Does an analysis of variance for zinc concentrations within the data-set report a coefficient of variation (CV) >75%?
Yes
Long term environmental management not required.
No
Provided the FMP sampling frequency is achieved (1/1000m3) and materials are subject to field quantification (AQ) during assessment-
No additional sampling required.
Materials placed >3m below FFL will not pose a potential risk to future receptors following development (slab on grade commercial/industrial warehousing) in the absence of complete source – receptor – pathway linkages.
Long term environmental management not required.
Survey confirming fill placement depths will be required to validate this outcome.
Notes :
Laboratory analysis, 500mL NEPM is required where the field AQ sample identifies visible ACM and/or if a potential for friable asbestos is identified. Refer to Attachment C.
Any asbestos contaminated/impacted material retained or present on site may require management / notation on a register to fulfil Work Health and Safety (WHS) requirements.

Appendix B Arcadis In-Situ Fill Map

NOTES

- EXISTING SURFACE LEVELS FROM TOPO SURVEY RECEIVED BY MATHEW FREEBURN SURVEYING ON 12-05-2025 FROM FILE - 31126 250512 Stockpiles.dwg
- FOR UNCONTROLLED FILL CALCULATIONS, STOCKPILES WERE REMOVED FROM EXISTING SURFACE THEN THE BOREHOLE DATA WAS USED TO CREATE A INTERPOLATED UNCONTROLLED FILL SURFACE
- BOREHOLE DATA HAS BEEN READ FROM THE DATA ROOM FROM REPORTS LISTED BELOW AND CURRENT GEOTECH REPORT FROM DOUGLAS PARTNERS (234411.00.R.001.DftA)
- 09.01.04 02_DOUGLAS PARTNERS PIT FILL INVESTIGATION JUNE 2023
- 09.01.05 03_DOUGLAS PARTNERS DETAILED GEOTECH INVESTIGATION MAY 2023
- 09.01.06 04_MQ TEST PIT INVESTIGATION JULY 2024
- 09.01.07 05_DOUGLAS PARTNERS INVESTIGATION SEPT 2024

PIT 1 ADDITIONAL AREA OF UNCONTROLLED FILL ESTIMATED AT 120,000m3

VOLUMES

STOCKPILE VOLUMES BASED ON SURVEYED BASE OF BANK = 749,061.450m^3

EXTRA OVER STOCKPILES UNCONTROLLED FILL TO BE EXTRACTED (BASED ON BOREHOLE DATA) = 1,424,082.898m^3

PIT 1 ADDITIONAL UNCONTROLLED FILL TO BE EXTRACTED = 120,000m^3

TOTAL (INC STOCKPILE) UNCONTROLLED FILL TO BE EXTRACTED = 2,293,144.348m^3

TOTAL (**NOT INC** STOCKPILE) UNCONTROLLED FILL TO BE EXTRACTED = 1,544,082.898m^3

NOTE: VOLUMES WHICH INCLUDE THE CUT OF EXISTING STOCKPILES HAVE BEEN MEASURED FROM EXISTING SURVEYED SURFACE FROM MATHEW FREEBURN SURVEYING ON 12-05-2025 FROM FILE - 31126 250512 Stockpiles.dwg

CUT RANGE TABLE

Lower_value		Upper_value	Colour
-999	to	-15	3
-15	to	-12.5	3
-12.5	to	-10	3
-10	to	-7.5	3
-7.5	to	-5	3
-5	to	-2.5	3
-2.5	to	0.00	3

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02	ISSUED FOR INFORMATION	KR	-	-	17.06.25
01	ISSUED FOR INFORMATION	KR	-	-	13.06.25

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0 50 100 150 200 250m

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Project Manager	K.MCAREAVEY	Grid	
Verified			

Project: PROJECT MAVERICK

Title: EXTRA OVER STOCKPILES UNCONTRLLED FILL CUT ISOPACH AND DEPTH CONTOUR PLAN

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Project Number: 30271198

Drawing No.: MAR-AAP-DA-00-SKT-CI-0203

Issue: 02

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Appendix C NSW EPA VENM Certificate

Certification:
Virgin excavated natural material

1. I *[full name]*

   of *[organisation and address]*

   certify that the waste as set out in section 2 of this notice is Virgin Excavated Natural Material (VENM) as defined in Schedule 1 of the *Protection of the Environment Operations Act 1997*.

   This certification is made on behalf of the waste generator *[fill out if applicable]*

   being *[full name]*

   of *[organisation and address]*

2. The waste was generated at:

   Street address:

   Title reference (Lot/DP, etc.):

   The amount of waste (by volume or weight) is:

3. I have made the determination that the waste is VENM because:

   - ☐ I have assessed the historical and current land use of the site at which the waste was generated.
   - ☐ The waste is not contaminated with manufactured chemicals, or with process residues, as a result of industrial, commercial, mining or agricultural activities.
   - ☐ The waste does not contain any sulfidic ores or soils.
   - ☐ The waste does not contain any other waste.
   - ☐ The waste does not contain asbestos in any form.

Note: that all sections of this form must be completed including all boxes checked in Section 3 above and signed below for any material to be certified as VENM.

Signature(s) . . . . . .

Name(s) (printed)

Date

Warning: There are significant penalties under s.144AA of the *Protection of the Environment Operations Act 1997* for a person who supplies (whether knowingly or not) information that is false or misleading in a material respect about waste.

This certificate is intended to assist waste generators, contractors and/or receivers of VENM to have confidence that a range of relevant factors have been considered in the classification of a waste material as VENM.

Published by:
Environment Protection Authority, 59–61 Goulburn Street, Sydney South 1232
Ph: 131 555. TTY users: phone 133 677, then ask for 131 555
Speak and listen users: phone 1300 555 727, then ask for 131 555
Email: info@environment.nsw.gov.au; Web: www.epa.nsw.gov.au
Report pollution and environmental incidents: Environment Line: 131 555 (NSW only)
EPA 2013/0693; September 2013

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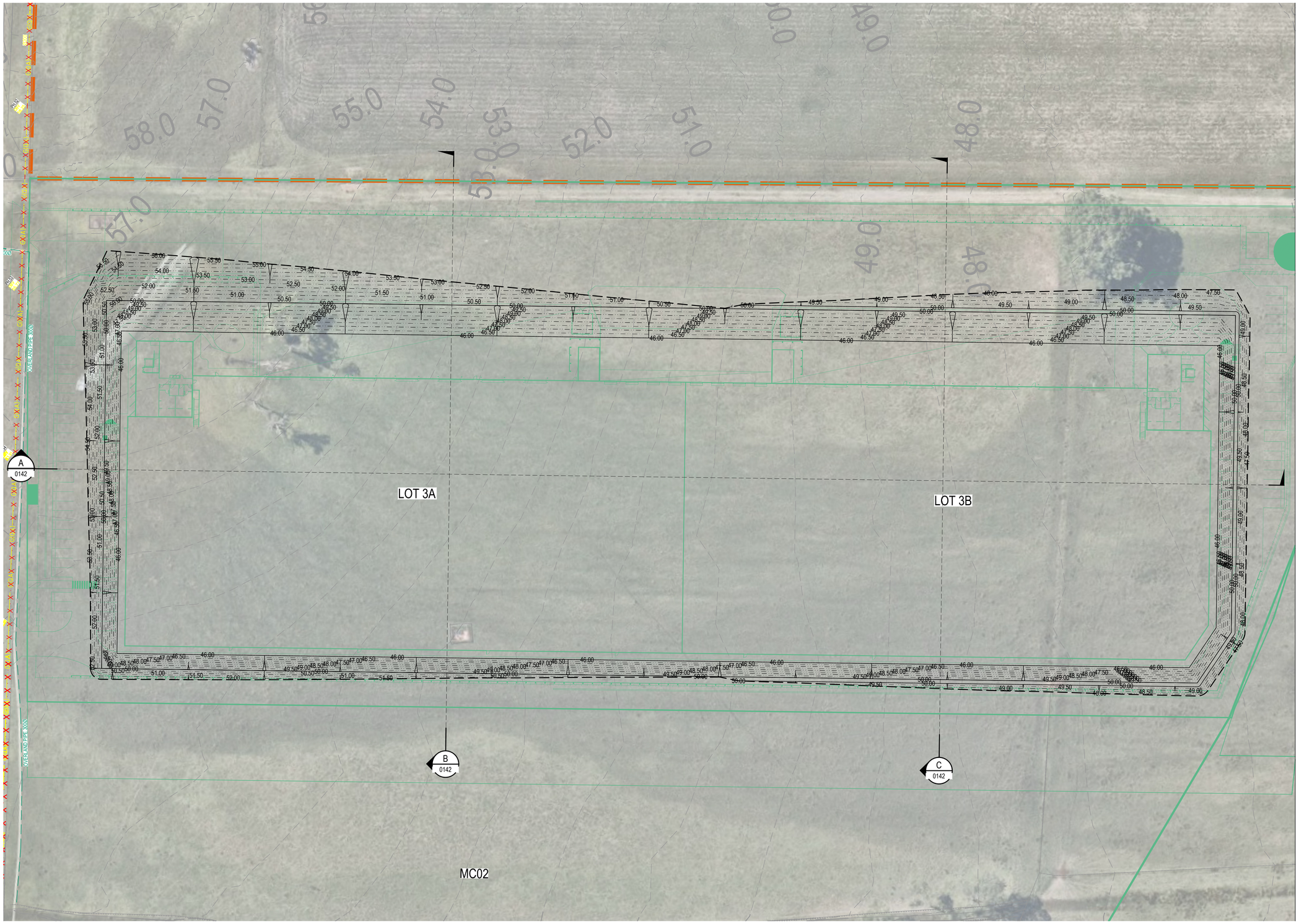
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Appendix E Containment Cell Concept Design



LEGEND

- EXISTING BOUNDARY
- PROPOSED PRECINCT BOUNDARY
- AUTHORITY BOUNDARY (ML1771 (ACT 1992))
- EXISTING EASEMENT
- EXTENT OF EXISTING PIT
- EXISTING WATER
- EXISTING ELECTRICAL OVERHEAD
- EXISTING GAS
- OVERLAND PIPE
- PROPOSED RELOCATED GAS

NOTES

1. THE AUTHORITY BOUNDARY (ML1771 (ACT 1992)) HAS BEEN REPRODUCED FROM VGT 12412_BB_RMP2022_Q010_V1_F10 FOUND IN THE REHABILITATION MANAGEMENT PLAN FOR BADGERYS CREEK CLAY / SHALE MIN ML 1771 (ACT 1992).
2. EARTHWORKS LEVELS ARE DEPENDENT ON FINAL ESTATE DESIGN AND ARE SUBJECT TO CHANGE.
3. CONTRACTOR TO ENSURE A MINIMUM 0.3% GRADE FALL TOWARDS ALL SWALES AND BASINS.
4. WATER BODIES MARKED AS EXCLUDED UNDER CLAUSE 6 OF THE WATER MANAGEMENT (GENERAL) REGULATIONS 2018)

Issue	Description	DR	CH	VE	Date
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1 : 500

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Client

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Project Manager	K.MCAREAVEY	Grid	MGA/20-56
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225-245 MARTIN ROAD, BRADFIELD
REHABILITATION WORKS PACKAGE 2

Title

CONTAINMENT CELL PLAN

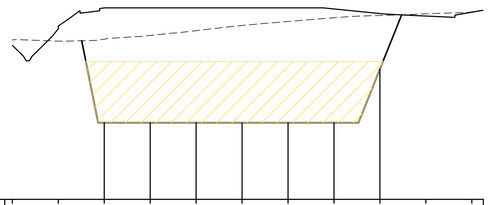
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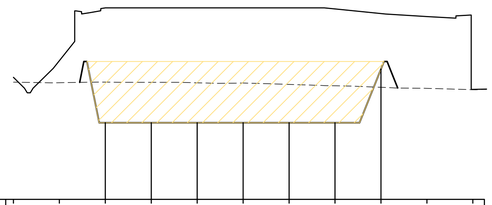


DATUM RL 41.0

FINISHED SURFACE	51.06	52.14	53.50	53.50	53.50	53.50	53.50	53.43	53.13	52.97	53.22
CONTAINMENT CELL BASE			46.00	46.00	46.00	46.00	46.00	46.00	49.50		
CUT / FILL DEPTH			-5.46	-5.7	-6.01	-6.35	-6.61	-6.85	-3.5		
EXISTING SURFACE	51.42	51.33	51.46	51.70	52.01	52.35	52.61	52.85	53.00	53.11	53.24
CHAINAGE	0.000	15.000	30.000	45.000	60.000	75.000	90.000	105.000	120.000	135.000	150.000

SECTION B LONGITUDINAL SECTION

SCALE 1:1000 HORI.
1:200 VERT.

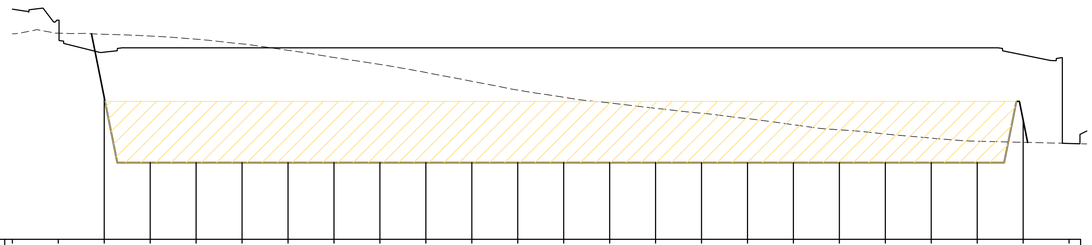


DATUM RL 41.0

FINISHED SURFACE	48.97	50.05	53.50	53.50	53.50	53.50	53.50	53.43	53.13	52.93	48.18
CONTAINMENT CELL BASE			46.00	46.00	46.00	46.00	46.00	46.00	49.50		
CUT / FILL DEPTH			-2.65	-2.64	-2.61	-2.59	-2.5	-2.41	1.18		
EXISTING SURFACE	48.65	48.62	48.65	48.64	48.61	48.59	48.50	48.41	48.32	48.25	48.16
CHAINAGE	0.000	15.000	30.000	45.000	60.000	75.000	90.000	105.000	120.000	135.000	150.000

SECTION C LONGITUDINAL SECTION

SCALE 1:1000 HORI.
1:200 VERT.



DATUM RL 41.0

FINISHED SURFACE	56.02	55.30	53.21	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.50	53.03	47.25
CONTAINMENT CELL BASE			50.25	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	46.00	48.79	
CUT / FILL DEPTH			-4.13	-8.27	-8.06	-7.75	-7.34	-6.87	-6.42	-5.89	-5.31	-4.74	-4.27	-3.9	-3.55	-3.23	-2.88	-2.48	-2.15	-1.87	-1.61	-1.4	1.46	
EXISTING SURFACE	54.41	54.45	54.38	54.27	54.06	53.75	53.34	52.87	52.42	51.89	51.31	50.74	50.27	49.90	49.55	49.23	48.88	48.48	48.15	47.87	47.61	47.40	47.33	47.26
CHAINAGE	0.000	15.000	30.000	45.000	60.000	75.000	90.000	105.000	120.000	135.000	150.000	165.000	180.000	195.000	210.000	225.000	240.000	255.000	270.000	285.000	300.000	315.000	330.000	345.000

SECTION A LONGITUDINAL SECTION

SCALE 1:1000 HORI.
1:200 VERT.

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