RP Infrastructure

Stage 1 and Stage 2 Site Contamination Assessment

Tamworth Health Service Redevelopment: On-grade Carparks

Dean Street, Tamworth

Report No. RGS32576.1-AR 19 October 2022

REGIONAL GEOTECHNICAL SOLUTIONS



RG\$32576.1-AR

19 October 2022

RP Infrastructure Level 19, 9 Hunter Street SYDNEY NSW 2300

Attention: Yonis Ahmad

Dear Yonis

RE: Tamworth Health Service Redevelopment: On-grade Carparks – Dean Street, Tamworth

Stage 1 and Stage 2 Site Contamination Assessment

As requested, Regional Geotechnical Solutions Pty Ltd (RGS) has undertaken a Stage 1 and Stage 2 Site Contamination Assessment for the proposed on-grade carparks that are located at two locations within Tamworth Hospital at Dean Street, Tamworth NSW.

The assessment found that both locations are suitable for the proposed development in their current state from a contamination perspective.

The work presented herein was reviewed by Dr David Tully CEnvP SC. A copy of Dr Tully's letter pertaining to the review is appended to the report.

If you have any questions regarding this project, or require any additional consultations, please contact the undersigned.

For and on behalf of Regional Geotechnical Solutions Pty Ltd

Prepared by

Reviewed by

Louis Davidson Senior Geotechnical Engineer

Andre Ading

Andrew Hills Senior Environmental Engineer

Regional Geotechnical Solutions Pty Ltd ABN 51141848820 2 Murray Dwyer Circuit Mayfield West NSW 2304 Ph. (02) 6553 5641 Email <u>louis.d@regionalgeotech.com.au</u> Web: <u>www.regionalgeotech.com.au</u>

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1 INTRODUCTION

1.1 Background

Regional Geotechnical Solutions Pty Ltd (RGS) has undertaken Stage 1 and Stage 2 Site Contamination Assessments (SCA) for the proposed on-grade carparks at two locations within Tamworth Hospital at Dean Street, Tamworth NSW.

It is understood that two new on-grade carparks are being considered to accommodate the car spaces that will be lost in association with the A2 Banksia Unit development that is located in the northern portion of the hospital complex. The proposed development areas are illustrated below.



The hospital site is identified as Lot 1 DP 1181268 and occupies approximately 20 hectares. The two subject portions of the site consist of the northern site which occupies an area of approximately

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2,000m², and the southern site which occupies an area of approximately 3,500m². The layout of the subject areas are illustrated above and in the attached figures.

The Stage 1 and Stage 2 site contamination assessment is required to evaluate past and present potentially contaminating activities and contamination types and to assess the site's suitability for the proposed development from a contamination perspective.

1.2 Objectives

The objectives of the SCA were to:

- Characterise the nature and extent of soil contamination present at the two locations (if any);
- Assess the suitability of the sites for the proposed development; and
- Provide recommendations for on-site management, the need and options for remediation and any further investigation and testing that is required.

1.3 Scope of Works

In accordance with the relevant sections of the National Environmental Protection (Assessment of Site Contamination) Measure 1999 (Amended 2013), the assessment involved the following process:

- A brief study of site history, with the aim of identifying past activities on or near the site that might have the potential to cause contamination;
- Review of available recent and historical aerial photography for the last 50 years;
- A search of NSW EPA records, or contaminated land notifications on the site;
- Government records of groundwater bores in the area;
- Site walkover to assess visible surface conditions and identify evidence of contamination, or past activities that may cause contamination;
- Using the above information, characterise the sites into Areas of Environmental Concern, in which the potential for contamination has been identified, and nominate Chemicals of Concern that might be associated with those activities;
- Undertake targeted sampling and analysis at the selected Areas of Concern to evaluate the presence and extent of contamination (if any);
- Analyse samples for a suite of potential contaminants associated with the past activities; and
- Evaluate the results against industry accepted criteria for residential land use with minimal opportunities for soil access (Residential B land use guideline criteria have been adopted for this assessment as a conservative measure).

1.4 Site Identification

General site information is provided below in Table 1. The site location is shown in Figure 1.



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Table 1: Summary of Site Details

| Site location: | Dean Street, Tamworth | |
|-------------------------------|--|--|
| Approximate site area: | 20 Hectares (total site) 2,000m² (proposed northern on-grade carpark) 3,500m² (proposed southern on-grade carpark) | |
| Title Identification Details: | Lot 1 DP 1181268 | |
| Current Ownership: | Health Administration Corporation | |
| Current Landuse: | Healthcare facility (hospital) | |
| Proposed Landuse: | Ongoing healthcare facility | |
| Adjoining Site Uses: | Within hospital, northern: North, Aged Care Assessment Team East, hospital buildings and existing on-grade carpark South, rehabilitation ward West, access road/existing on-grade carpark Within hospital, southern: North, hospital building East, vacant land South, Johnston Street West, existing on-grade carpark Surrounding area: Vacant land to the north South of Johnston Street, Tamwell Medical Centre and residential properties East of Smith Street, vacant land/carparks West of Dean Street, Tamworth Correctional Centre | |
| Government Area: | Tamworth Regional Council | |

2 SITE DESCRIPTION

2.1 Topography and Drainage

The sites are located within Tamworth Hospital, off Dean Street, Tamworth.

The sites are located within undulating residual topography on a south facing hill. The surrounding slopes generally grades at about 5° to 8°.

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The northern site is located on the mid slope of the south facing hill. Some cut/fill earthworks have been undertaken to create flat pads for the two masonry buildings located to the east of the proposed development area. Vegetation comprises grass and scattered trees, and there is a small garden bed in the southwest corner.

The southern site is located on the foot slopes of the south facing hill. The area is vacant. There is an on-grade sealed carpark to the north and a hospital building to the northeast. Vegetation comprises grass and scattered trees. There is a large garden bed in the southwest corner that is mulched and comprise a variety of small to large trees.

2.2 Geology

Reference to the 1:250,000 Geology Map of Tamworth indicates that the subject site is underlain by the Moore Creek Limestone Member that comprises cherty argillite, limestone, greywacke, and mudstone.

The materials encountered during the investigation are summarised below. Further details are presented on the attached engineering logs (Appendix B).

2.2.1 Northern Site

| Fill: | Gravelly CLAY and Silty CLAY, medium plasticity, fine to coarse grained, with some cobbles up to 150mm in size to depths ranging from 0.3m to 1.0m; |
|-----------------|---|
| Topsoil: | Gravelly CLAY, medium plasticity, fine grained angular gravel, with some roots to a depth of 0.2m (TP-N3 only); |
| Colluvial Soil: | Silty CLAY and Gravelly CLAY, medium plasticity, fine to medium grained angular gravel, very stiff to hard to at least 1.4m. |

2.2.2 Southern Site

| Fill: | Gravelly CLAY and Silty Sandy CLAY, medium plasticity, with some fragments of foreign material including wire, broken tiles, timber, and concrete to depths ranging from 0.35m to 0.7m; |
|---------------------|---|
| Topsoil: | Clayey SILT, with rootlets to a depth of 0.3m (TP-S3 only); |
| Colluvial Soil: | Silty CLAY and Gravelly CLAY, medium plasticity, fine to medium grained angular gravel, very stiff to hard to at least 1.2m in TP-S1 to TP-S3; overlying |
| EW to HW Siltstone: | SILTSTONE, very low to low strength, highly fractured to at least 1.0m (encountered in TP-S4 only). |

2.3 Hydrogeology

A groundwater bore search on the NSW Water Information website, <u>http://waterinfo.nsw.gov.au/gw/</u> indicates there is a licenced groundwater bore (GW057928) located within the hospital approximately 50m northeast of the southern site. The drill records indicate a water bearing zone of 26.2m to 26.5m. There is an additional bore (GW052834) located



to the west that recorded a water bearing zone of 24.5m to 34m. The bore locations are shown on Diagram 2 below.

Based on RGS' experience in the region, regional groundwater depth in this area is typically about 10m below ground surface in the vicinity of the hospital.



Diagram 2: Licensed groundwater bores located within the hospital complex to the east of the southern site and to the west of the hospital.

2.4 Site History

2.4.1 Historical Aerial Photography

Available aerial photographs of the site were reviewed to assist in identifying past land uses that may contribute to site contamination. The results of the review are summarised in Table 2.

| Year | Site | Surrounding Land |
|---------------------------------|---|--|
| 1976 | The hospital site has been developed with some buildings similar to the existing hospital layout. The northern and southern sites are vacant. The carpark to the northeast and building to the northwest have already been constructed. | Land surrounding the hospital is occupied by residential developments to the south and west. Vacant to the north and east. |
| 1984 | A carpark has been constructed to the east of the northern site. Southern site is unchanged. | Additional/upgrades to hospital buildings have been undertaken. Surrounding area is similar to the previous photograph. |
| 1989 | Building constructed to the south of the northern site. Southern site is unchanged. | Minor upgrades to hospital roads and buildings, and increased vegetation. Surrounding area is similar to the previous photograph. |
| 2013 (Google Earth) | New buildings constructed in northern portion of the northern site and directly to the east, and carpark to the west. Demountable building has been placed in the northeast corner of the southern site. Entries to the adjacent carpark have been constructed off Johnston Street and Dean Street. | New buildings constructed/upgraded around hospital. Continued residential developments to the south and west of the hospital. Carpark and other earthworks undertaken to the east. |
| 2015 (Google Earth) | Both sites similar to the previous photograph. | Upgrades in hospital roads and buildings. Area surrounding the hospital is simar to the previous photograph. |
| February 2016 (Google Earth) | Building upgrades directly to east of the northern site. Entries roads removed from carpark next to southern site. | Similar to the previous. |
| October 2017 (Google Earth) | Building in northern portion of the northern site demolished/removed. Southern site similar to previous. | Similar to the previous. |

Table 2 - Aerial Photograph Summary



| March 2020 (Google Earth_ | Northern site similar to previous. Demountable building removed from the southern site. | |
|------------------------------|---|--------------------------|
| 2022 (Google Earth) | Minor variation in vegetation. Grass has grown over the pad where the demountable building was located in the southern site. | Similar to the previous. |

2.4.2 Site Observations

Field work was undertaken on 28 September 2022. Observations from a contamination perspective made during the site visit are summarised below:

- Both northern and southern sites are vegetated with grass, minor cut/fill earthworks have been undertaken in both locations;
- Some buried materials including wire, broken tiles, timber, and concrete were observed in some test pits excavated in the southern site including TP-S1, TP-S2, and TP-S4;
- No other visual (such as oil staining) or olfactory evidence of contamination was observed;
- No materials suspected of being Asbestos Containing Materials (ACM) were identified.

A selection of images of the northern and southern sites are presented below.



Cut/fill in northern section of the northern site.



Looking north over the southern portion of the northern site.



the northern site.

the northern site.



Looking west over the southern site where the demountable building was previously located.

Looking northeast over the southern site.



2.4.3 NSW EPA Records

A check with the NSW Office of Environment and Heritage website (<u>www.environment.nsw.gov.au</u>) revealed that no notices have been issued on the site under the Contaminated Land Management Act (1997).

2.4.4 Land Title Search

A list of past registered proprietors and trustees of the site was obtained from the Land Titles Office. A summary of the title details is included in Appendix A.

The title history search revealed the following:

| 1882 – 1931 | Philip Gidley King |
|-------------|-------------------------|
| | David Williamson Irvine |



| | Nathan Cohen |
|----------------|--|
| | Daniel Regan |
| | Thomas Matthew Newman |
| | (Trustees of Public Hospital Tamworth) |
| 1931 - 1931 | Thomas Matthew Newman |
| | (Trustee of Public Hospital Tamworth) |
| 1931 – 1991 | The Tamworth District Hospital |
| 1991 – 1998 | The Tamworth Base Hospital |
| 1998 – 2013 | New England Health Services |
| | (Formerly The Tamworth Base Hospital) |
| 2013 – to date | Health Administration Corporation |

2.4.5 Site History Summary

Based on available data the chronological development of the site is summarised below:

- The land has been owed by the hospital or trustees of the hospital since 1882;
- The general layout of the hospital and some of the existing hospital buildings were constructed prior to 1976;
- Some buildings and carparks have been constructed and upgraded in the vicinity of both locations;
- A building (constructed post 1989) was located in the northern portion of the northern site and was demolished between 2016 and 2017;
- Entries to the carpark adjacent to the southern site previously went through the site but were removed and revegetated between 2015 and 2016; and
- A demountable building was located in the northeast corner of the southern site between 2013 and 2020.

3 FIELD AND LABORATORY INVESTIGATIONS

3.1 Sampling Plan

The NSW EPA (2022) Sampling design part 1 - application recommend a minimum of 8 sampling locations to characterise a site of 2,000m² (northern site) and a minimum of 10 sampling locations to characterise a site of 3,500m² (northern site) by systematic sampling.



Based on the above, 36 soil samples (18 jar samples and 18 bag samples) were collected from 18 test pits.

3.2 Field Work

Field work for the assessment was undertaken on 28 September 2022 and included:

- Site walkover to assess visible surface conditions and identify evidence of contamination, or past activities that may cause contamination (if any);
- The excavation of four test pits with a 5 tonne excavator, designated TP-N1 to TP-N4 and four additional shallow test pits with hand tools from the northern site;
- The excavation of five test pits with a 5 tonne excavator, designated TP-S1 to TP-S5 and five additional shallow test pits with hand tools from the southern site;
- The test pits were logged and sampled by a Senior Geotechnical Engineer from RGS.

The locations of the sampling points are shown on Figure 3 and Figure 4. They were obtained on site and located by measurement relative to existing site features.

Soil samples were taken from the fill and the underlying natural material using disposable gloves sampling out of the centre of the excavator bucket. The samples were collected in acid-rinsed 250mL glass jars and zip lock bags and placed in an ice-chilled cooler box.

3.2.1 Laboratory Analysis

Samples were transported under chain-of-custody conditions to ALS Laboratory Group and Environmental Analysis Laboratory, Southern Cross University, NATA accredited specialist chemical testing laboratories, to be analysed for the following suite of contaminants:

- Polycyclic Aromatic Hydrocarbons (PAH);
- Total Recoverable Hydrocarbons (TRH);
- Benzene, Toluene, Ethyl-benzene, Xylenes (BTEX);
- Organochlorine and Organophosphorus Pesticides (OC/OPs);
- Heavy metals (arsenic, cadmium, chromium, cobalt, copper, lead, mercury, and zinc);
- Polychlorinated Biphenyls (PCB); and
- Presence and quantification of asbestos.

The results are presented in Appendix C.

3.3 Data Quality Objectives

The Data Quality Objectives (DQOs) are presented in Table 3.

Table 3 – Data Quality Objectives

| DQO | Details of Process |
|--|---|
| State the Problem | A Stage 1 and Stage 2 SCA is required to assess the suitability of the sites for the proposed on-grade carparks from a contamination perspective. |
| Identify the Decision | The principal study questions that are: What is the nature and extent of soil contamination on the subject land (if any)?; and Is the land suitable for the proposed hospital carpark redevelopment from a contamination viewpoint? |
| Identify Inputs to the Decision | The primary inputs are: Site history study; Site walkover assessment; Chemical analysis of selected soil samples; and Results summary. |
| Define the Boundary of the Assessment | The spatial boundaries are limited to the proposed on-grade carpark boundaries as shown on Figure 2; The investigation and screening levels for a Residential B land use scenario (limited access to soil) as a conservative measure. |
| Develop a Decision Rule | The decision rules for the investigation are: If concentrations of contaminants in soil exceed the adopted investigation and screening levels for a Residential B land use scenario (as a conservative measure), then further assessment may be required; Decision criteria for QA/QC measures are defined in Section 5. A decision on the acceptance of analytical data will be made on the basis of the data quality indicators (DQIs) in the context of precision, accuracy, representativeness, completeness and comparability (PARCC) parameters as follows: Precision: NATA registered laboratories were used following NATA endorsed methods. An appropriate number of intralaboratory and inter-laboratory samples were collected and analysed (following ASC NEPM guidance), the results of which are considered to be satisfactory; Accuracy: The laboratory limit or reporting (LOR) was appropriate for the screening criteria utilised. NATA registered laboratories were used following samples were used following samples including appropriate method blanks, laboratory control samples, laboratory spikes and duplicates the results of which are considered to be satisfactory. |



| | Representativeness – The samples were received by the laboratories in good condition. The data obtained is considered to be representative of the soils present on site; Completeness – Experienced field staff were utilised to undertake the sampling and keep appropriate documentation. Samples were in proper custody between the field and reaching the laboratory. The laboratories performed the tests requested. The data obtained from the field investigations is considered to be relevant and usable; and Comparability – Sample holding times were met and samples were properly and adequately preserved. Field sampling and handling procedures were followed. The data collected is considered to be comparable. |
|--|---|
| Specify Acceptable Limits on Decision Errors | Acceptable limits for QA/QC measures are defined in Section 5; Acceptable investigation and screening levels are those for a Residential B land use scenario; and Specific limits are in accordance with the appropriate NSW EPA guidelines including indicators of data quality and standard procedures for field sampling and handling. |
| Optimise the Design for Obtaining Data | Based on the above steps of the DQO process. The design for obtaining the required data (i.e., proposed field and laboratory investigations) is presented in Section 3.1. |

4 GUIDELINES AND ASSESSMENT CRITERIA

Assessment as outlined in NSW EPA Guidelines for Consultants Reporting on Contaminated Land (2020).

To evaluate results, and for guidance on assessment requirements, the assessment adopted the guidelines provided in the National Environment Protection (Assessment of Site Contamination) Measure as amended in 2013 (NEPM 2013). The NEPM document provides a range of guidelines for assessment of contaminants for various land use scenarios.

The proposed future land use is for an ongoing rural healthcare facility. As such, comparison with the NEPM guideline Health Investigation and Screening Levels for Residential B (high rise buildings and apartments with limited access to soil) land use is considered appropriate for this site as a conservative measure. In accordance with the NEPM guideline the following criteria were adopted for this assessment:

- Health Investigation Levels (HILs) for Residential 'B' land use (HIL-B) were used to assess the
 potential human health impact of heavy metals and polycyclic aromatic hydrocarbons
 (PAHs);
- Health Screening Levels (HSLs) for coarse textured (sand) or fine textured (silt and clay) soils on a Residential B site were adopted as appropriate for the soils encountered to assess the potential human health impact of petroleum hydrocarbons and benzene, toluene, ethylbenzene and xylene (BTEX) compounds;



- Ecological Investigation Levels (EILs) for urban residential and public open space land use were used for evaluation of the potential ecological / environmental impact of heavy metals and PAHs;
- Ecological Screening Levels (ESLs) for coarse textured (sand) soils or fine textured (silt and clay) soils on a Residential B land use site were adopted as appropriate for the soils encountered, to assess the potential ecological / environmental impact of petroleum hydrocarbons and BTEX compounds.

In accordance with NEPM 2013, exceedance of the respective criteria does not necessarily deem that remediation or clean-up is required but is a trigger for further assessment of the extent of contamination and associated risks. The adopted criteria are presented in the results summary table in Appendix C.

5 QUALITY ASSURANCE / QUALITY CONTROL

Samples were obtained using industry accepted protocols for sample treatment, preservation, and equipment decontamination. Sampling equipment was decontaminated between sample locations and a clean pair of nitrile gloves used for the collection of each sample into laboratory supplied glass sampling jars.

Samples were placed on ice on-site and maintained on ice during transport to the testing laboratories. Two duplicate samples were collected and submitted to the laboratory for analysis for quality control purposes as follows:

- Duplicate (N-D1) and Triplicate (N-T1)– Replicate of primary sample TP-N4; and
- Duplicate (S-D1) and Triplicate (S-T1)– Replicate of primary sample TP-S5.

The Relative Percent Differences (RPDs) were calculated for the duplicate and triplicate samples and are presented in the results summary table in Appendix B.

The duplicate and triplicate RPDs were within the control limit of 40% (with the exception of Arsenic in sample TP-N4 and triplicate sample N-T1) and indicated generally good correlation between the primary and duplicate samples.

It is noted that low analyte concentrations exaggerate the percentage differences with respect to small total concentration differences, therefore where results for the primary, duplicate, and triplicate, were less than 10 times the laboratory limit of reporting (LOR), the RPDs have been disregarded. The RPD for arsenic in sample TP-N4, which exceeded the 40% control limit as outlined above were disregarded on this basis. It is also noted that some elevated levels of TRH and PAH compounds were found in triplicate sample S-T1 analysed at the secondary laboratory and not in the primary sample, however, the levels were below the LOR of the primary laboratory.

In addition to the field quality control procedures, the laboratory conducted internal quality control testing including surrogates, blanks, and laboratory duplicate samples. The results are presented with the laboratory test results in Appendix C.

All laboratory quality control data is within acceptable limits for the tests carried out. Therefore, on the basis of the results of the field and laboratory quality control procedures and testing, the data is considered to reasonably represent the concentrations of contaminants in the soils at the sample locations at the time of sampling and the results can be adopted for this assessment.

6 **RESULTS**

6.1.1 Subsurface Conditions

The soil types recorded in surface samples are summarised below in Table 4.

Table 4: Summary of Subsurface Conditions (Surface Samples)

| Sample ID | Description |
|------------------|-------------------------------|
| TP-N1 0.05 – 0.1 | Fill: Gravelly CLAY |
| TP-N2 0.05 – 0.1 | Fill: Sandy CLAY |
| TP-N3 0.9 – 1.0 | Colluvial Soil: Gravelly CLAY |
| TP-N4 0.1 – 0.2 | Fill: Gravelly CLAY |
| TP-N5 0.05 – 0.1 | Fill: Gravelly CLAY |
| TP-N6 0.1 – 0.2 | Fill: Gravelly CLAY |
| TP-N7 0.05 – 0.1 | Fill: Gravelly CLAY |
| TP-N8 0.05 – 0.1 | Fill: Gravelly CLAY |
| TP-S1 0.3 – 0.35 | Fill: Gravelly CLAY |
| TP-S2 0.2 – 0.3 | Fill: CLAY with gravel |
| TP-S3 0.1 – 0.2 | Topsoil: Clayey SILT |
| TP-S4 0.1 – 0.2 | Fill: Sandy Silty CLAY |
| TP-S5 0.1 – 0.2 | Fill: Gravelly CLAY |
| TP-S6 0.1 – 0.2 | Fill: Sandy CLAY |
| TP-S7 0.1 – 0.2 | Colluvial Soil: Gravelly CLAY |
| TP-S8 0.05 – 0.1 | Colluvial Soil: Gravelly CLAY |
| TP-S9 0.1 – 0.2 | Colluvial Soil: Gravelly CLAY |
| TP-S10 0.1 – 0.2 | Colluvial Soil: Gravelly CLAY |

6.1.2 Laboratory Results

An appraisal of the laboratory test results presented in Appendix C is provided below with reference to the adopted soil investigation and screening levels discussed in Section 4.

- Concentrations of heavy metals were either below the laboratory limit of reporting or below the adopted health investigation criteria for a Residential B site in each of the samples analysed;
- Concentrations of TRH, PAH and BTEX were below the laboratory limit of reporting in each of the samples analysed except sample TP-S5 0.1-0.2 that had elevated levels of TRH C₁₆-C₃₄ fraction, and sample TP-S7 0.1-0.2 that had elevated levels of TRH C₁₆-C₃₄ fraction and TRH C₃₄-C₄₀ fraction, however the levels were well below the adopted ecological investigation criteria and management limits for a Residential (B) site;
- Concentrations of PCB and OC/OP pesticides were either below the laboratory limit of reporting or below the adopted health investigation criteria for a Residential B site in each of the samples analysed; and
- Asbestos was not detected in the remaining soil samples.

6.2 Conceptual Site Model

Based on the site observations and knowledge obtained about site activities as outlined above, a conceptual site model (CSM) has been developed.

6.2.1 Potential Sources of Contamination

Potential Areas of Environmental Concern (AECs) and Chemicals of Concern (COCs) identified for the assessment are outlined in Table 5 and Table 6.

| AEC | Mode of Potential Contamination | Potential COCs | Likelihood of Contamination |
|--|--|---|--------------------------------|
| AEC1: Soils in the vicinity of structures previously demolished | Potentially hazardous building materials | Lead and asbestos | Moderate |
| AEC2: Fill from cut to fill earthworks | Importation of potentially contaminated fill | Heavy Metals, TPH, BTEX, PAH, PCB, OC/OPP and asbestos | Low to moderate |
| AEC3: Vegetated areas | Pesticides used for general landscape upkeep. | OC/OPP | Low to moderate |

 Table 5: Potential AECs and COCs Northern Site



Heavy Metals - Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel and Zinc BTEX - Benzene, Toluene, Ethylbenzene and Xylene TPH - Total Petroleum Hydrocarbons PAH – Polycyclic Aromatic Hydrocarbons PCB – Polychlorinated Biphenyls OC/OPP – Organochlorine and Organophophorus Pesticides

| Table 6: Potential AECs and COCs Southern | Site |
|---|------|
|---|------|

| AEC | Mode of Potential Contamination | Potential COCs | Likelihood of Contamination | |
|--|--|---|--------------------------------|--|
| AEC1: Soils in the vicinity of demountable building previously located on site | Potentially hazardous building materials | Lead and asbestos | Moderate | |
| AEC2: Fill encountered throughout site | Importation of potentially contaminated fill | Heavy Metals, TPH, BTEX, PAH, PCB, OC/OPP and asbestos | Low to moderate | |
| AEC3: Previously vegetated areas | Pesticides used for general landscape upkeep. | OC/OPP | Low to moderate | |
| AEC4: Previous carpark entry roads | Oil spills or fuel spills | TPH, BTEX, PAH, Heavy metals | Low to moderate | |
| Heavy Metals - Arsenic, Cadmiur BTEX - Benzene, Toluene, Ethylbe TPH - Total Petroleum Hydrocarbo PAH – Polycyclic Aromatic Hydro PCB – Polychlorinated Biphenyls OC/OPP – Organochlorine and O | | | | |

The approximate locations of the AEC's are shown on Figure 3 and Figure 4.

6.2.2 Potential Exposure Pathways and Receptors

Based on the site observations and knowledge obtained about site activities as outlined above, potential exposure pathways and receptors identified for the assessment of both sites are summarised in Table 7.

| Chemicals of Concern | Key Pathways | Key Receptors | | |
|--|--|---|--|--|
| Asbestos, heavy metals | Generation of dust during earthworks which is inhaled | Onsite - Construction and site workers Offsite - Adjacent sites | | |
| Asbestos, heavy metals, TPH, BTEX, PAH, PCB, OC/OPP | Skin contact / ingestion, plant uptake | Onsite - Construction and site workers, future site users, vegetation in landscaped areas | | |
| Heavy Metals, TPH, BTEX, PAH, PCB, OC/OPP | Surface runoff and leaching of soils | Offsite - Surface water ecosystems and users | | |
| Heavy Metals - Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel and Zinc BTEX - Benzene, Toluene, Ethylbenzene and Xylene TPH - Total Petroleum Hydrocarbons PAH – Polycyclic Aromatic Hydrocarbons PCB – Polychlorinated Biphenyls OC/OPP – Organochlorine and Organophophorus Pesticides | | | | |

Table 7: Potential Exposure Pathways and Receptors

6.3 Discussion

A Stage 1 and Stage 2 SCA was required to assess the site's suitability for future development of ongrade carparks in both northern and southern locations from a contamination perspective.

The site history study indicates that the hospital layout has changed several times since initial construction. Some buildings and roads have previously been located in both locations.

Identified AEC's included soils in the vicinity of the structures previously demolished, fill placed for pads for buildings, vegetated areas, and areas of previous carpark entry roads.

No visual or olfactory evidence of contamination (such as oil staining or hydrocarbon odours) were observed, however, some buried materials including wire, broken tiles, timber, and concrete were observed in some test pits excavated in the southern site. No ACM was observed within the test pits or elsewhere across the site. Samples TP-S1 0.3-0.35m, TP-S2 0.2-0.3m, and TP-S4 0.1-0.2m were sampled from the soil surrounding the buried material.

The results of laboratory analysis of surface soil samples collected from four targeted locations (AEC's outlined above), revealed concentrations of the chemicals of concern were either below the laboratory reporting limit, or below the adopted health investigation criteria for a Residential B site.

Some elevated concentrations of TRH above the laboratory reporting limits were encountered in samples obtained from TP-S5 0.05-0.1m (C_{16} - C_{34} fraction) and TP-S7 0.1-0.2m (C_{16} - C_{34} fraction and TRH C_{34} - C_{40} fraction), however, the levels were well below the adopted ecological investigation criteria and management limits for a Residential (B) site.

Asbestos was not detected in any of the soil samples tested.



6.4 Conclusions and Recommendations

Based on the above and the findings of the Stage 1 and Stage 2 site SCA presented herein, the soils tested meets the requirements for a Residential B site as detailed in the NEPM 2013 guidelines and both northern and southern sites are considered suitable for the proposed carpark developments in their current state from a contamination perspective.

Should potential evidence of site contamination be identified during development activities, such as soil staining, buried materials, odours or possible ACM, then a site contamination specialist should be contacted for advice without delay.

7 LIMITATIONS

This report comprises the results of an investigation carried out for a specific purpose and client as defined in the document. The report should not be used by other parties or for purposes or projects other than those assumed and stated within the report, as it may not contain adequate or appropriate information for applications other than those assumed or advised at the time of its preparation. The contents of the report are for the sole use of the client and no responsibility or liability will be accepted to any third party. The report should not be reproduced either in part or in full, without the express permission of Regional Geotechnical Solutions Pty Ltd.

Contaminated site investigations are based on data collection, judgment, experience, and opinion. By nature, these investigations are less exact than other engineering disciplines. The findings presented in this report and used as the basis for the recommendations presented herein were obtained using normal, industry accepted practises and standards. To our knowledge, they represent a reasonable interpretation of the general condition of the site. Under no circumstances, however, can it be considered that these findings represent the actual state of the site at all points.

Recommendations regarding ground conditions referred to in this report are estimates based on the information available at the time of its writing. Estimates are influenced and limited by the fieldwork method and testing carried out in the site investigation, and other relevant information as has been made available. In cases where information has been provided to Regional Geotechnical Solutions for the purposes of preparing this report it has been assumed that the information is accurate and appropriate for such use. No responsibility is accepted by Regional Geotechnical Solutions for inaccuracies within any data supplied by others.

If site conditions encountered during construction vary significantly from those discussed in this report, Regional Geotechnical Solutions Pty Ltd should be contacted for further advice.

This report alone should not be used by contractors as the basis for preparation of tender documents or project estimates. Contractors using this report as a basis for preparation of tender documents should avail themselves of all relevant background information regarding the site before deciding on selection of construction materials and equipment.

If you have any questions regarding this project, or require any additional consultations, please contact the undersigned.

For and on behalf of Regional Geotechnical Solutions Pty Ltd

Prepared by

Louis Davidson Senior Geotechnical Engineer

Reviewed by

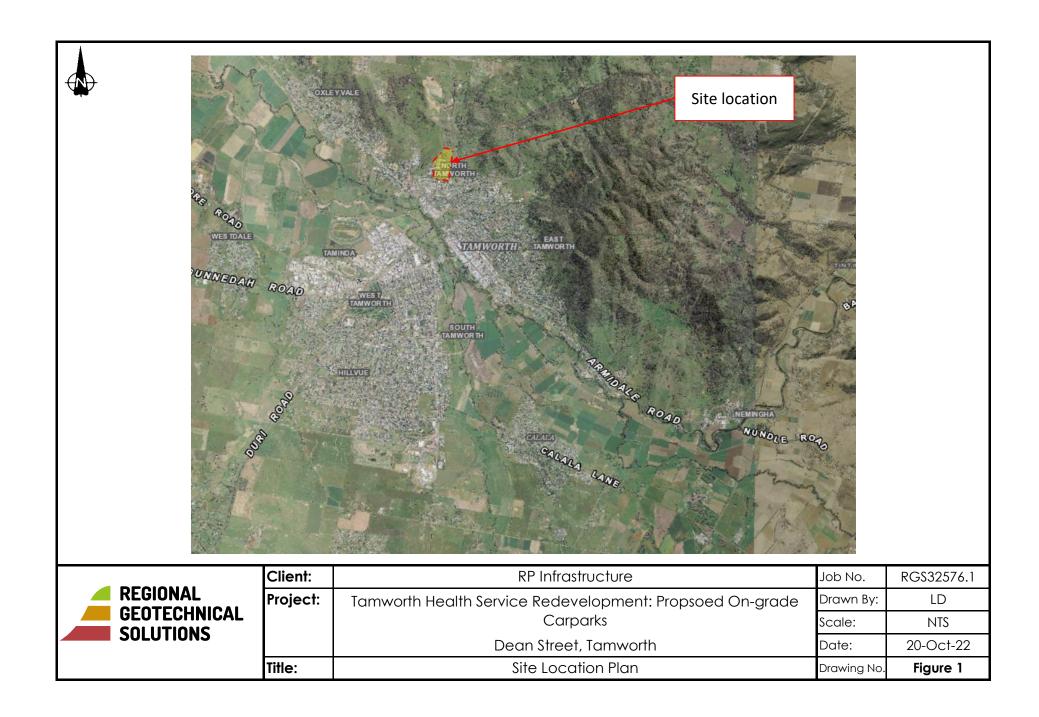
Andre May

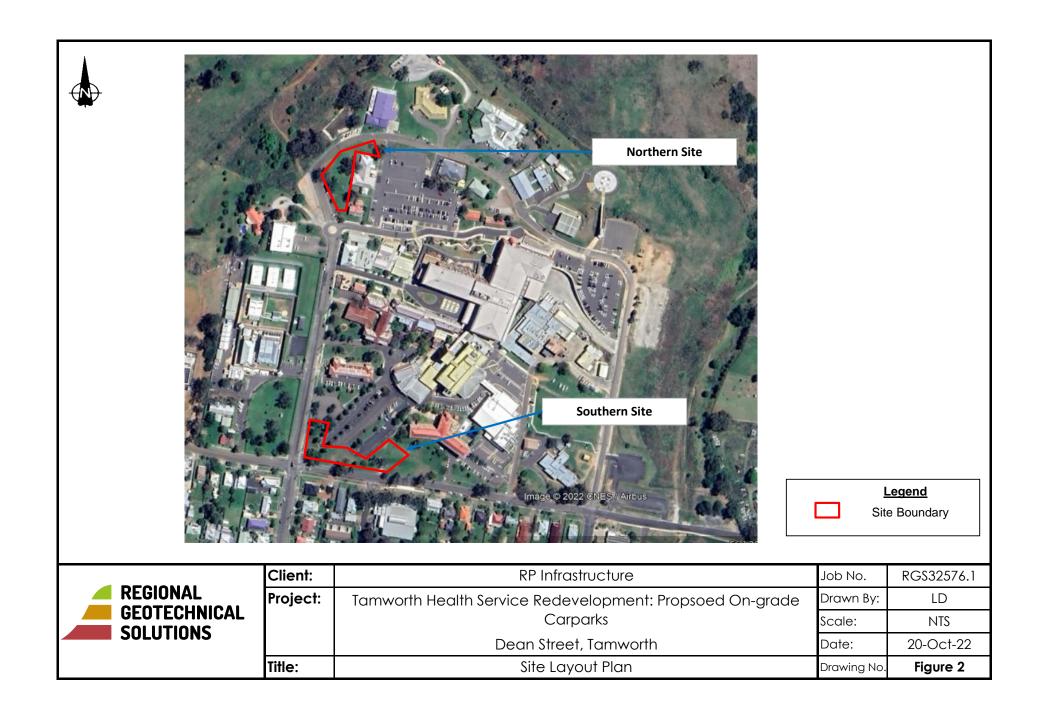
Andrew Hills Senior Environmental Engineer

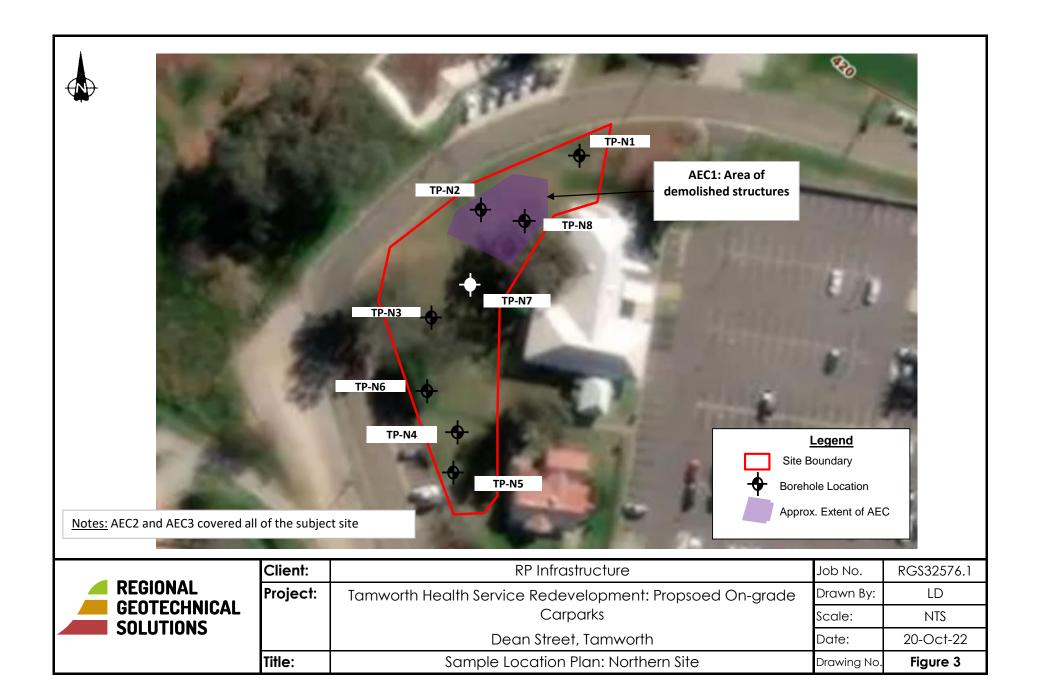


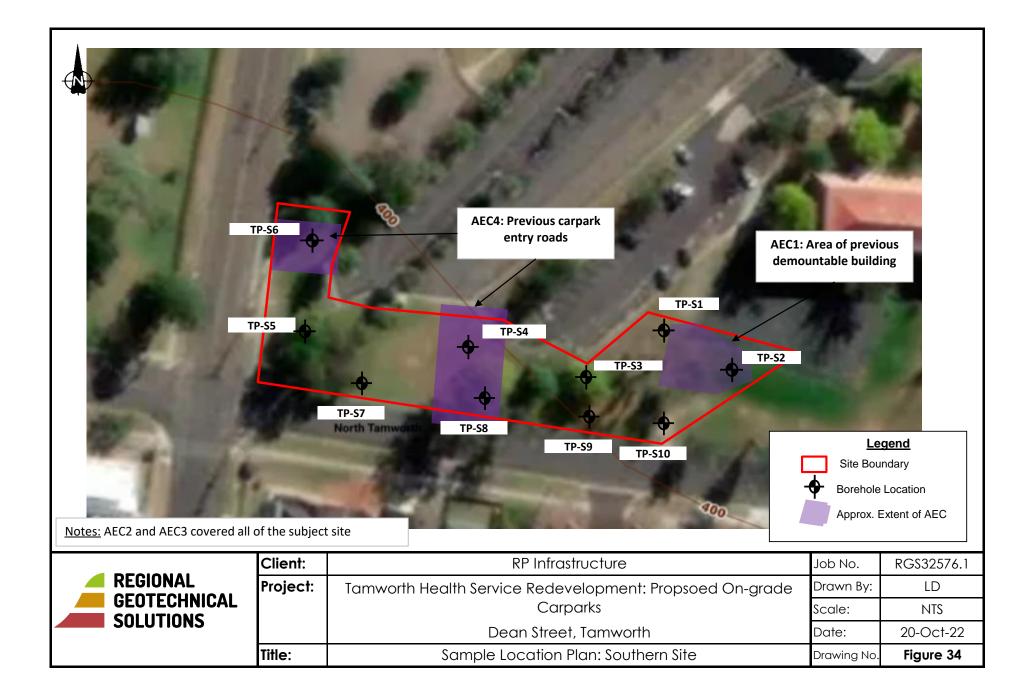
Figures

Regional Geotechnical Solutions RGS32576.1-AR 19 October 2022







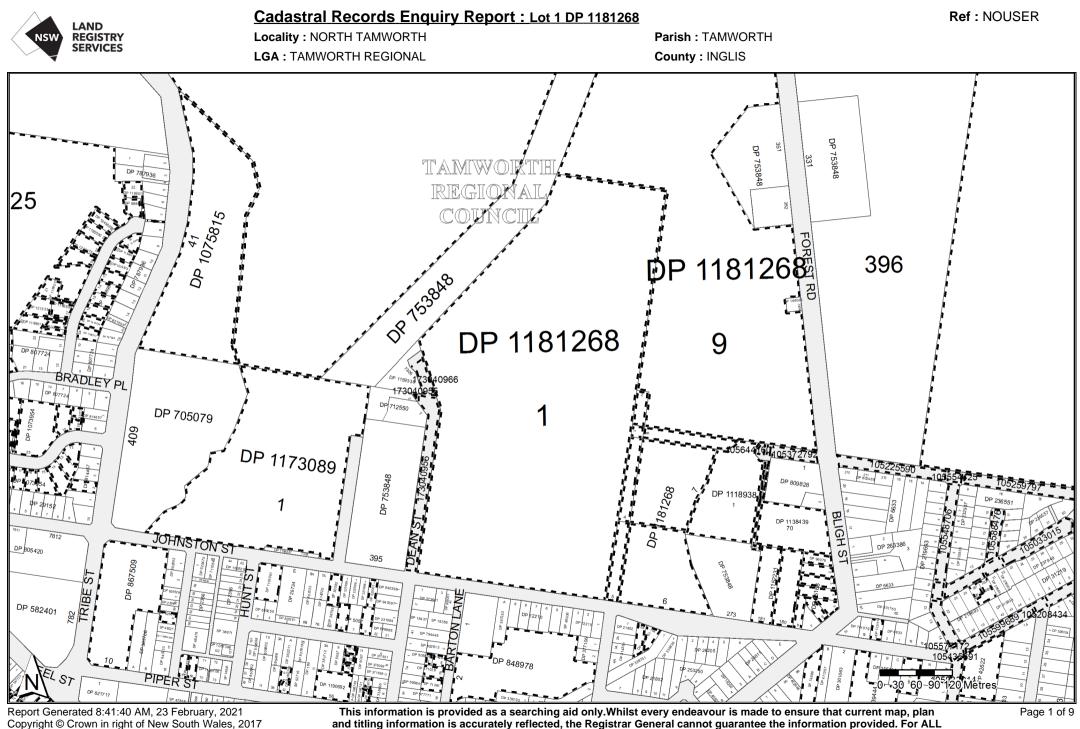




Appendix A

Site History Documentation

Regional Geotechnical Solutions RGS32576.1-AR 19 October 2022



ACTIVITY PRIOR TO SEPTEMBER 2002 you must refer to the RGs Charting and Reference Maps

| LAND | Cadastral Records Enquiry Report : Lot | | <u>1 DP 1181268</u> | Ref : NOUSER |
|---|--|-------------|--------------------------------------|--------------|
| NSW REGISTRY SERVICES | Locality : NORTH TAMWORTH | | Parish : TAMWORTH County : INGLIS | |
| · · | Status | Surv/Comp | - | |
| DP5057 | Status | Survicomp | Purpose | |
| Lot(s): 6 | | | | |
| P1251197 | WITHDRAWN | UNAVAILABLE | EASEMENT | |
| Lot(s): 8 | REGISTERED | SURVEY | REDEFINITION | |
| DP25168 | REGIOTERED | OORVET | | |
| Lot(s): 2, 3, 4, 5, 6, 8 | | | | |
| PD222001 | REGISTERED | SURVEY | SUBDIVISION | |
| DP322001 Lot(s): 1 | | | | |
| 🖳 DP1251197 | WITHDRAWN | UNAVAILABLE | EASEMENT | |
| DP371028 | | | | |
| Lot(s): 7B | WITHDRAWN | UNAVAILABLE | CONSOLIDATION | 1 |
| DP392344 | | ONNIERDEE | CONCOLIDINI | • |
| Lot(s): 6B | | | | |
| PD50505 | WITHDRAWN | UNAVAILABLE | CONSOLIDATION | l |
| DP505056 Lot(s): 2 | | | | |
| DP1167165 | WITHDRAWN | UNAVAILABLE | CONSOLIDATION | l |
| DP626018 | | | | |
| Lot(s): 4 | PRE-ALLOCATED | UNAVAILABLE | REDEFINITION | |
| DP710383 | TREALOGATED | UNAVAILADEL | REDEFINITION | |
| Lot(s): 2 | | | | |
| PD01127918 | REGISTERED | SURVEY | SUBDIVISION | |
| DP814457 Lot(s): 2 | | | | |
| DP1073954 | REGISTERED | SURVEY | SUBDIVISION | |
| DP848978 | | | | |
| Lot(s): 2 RETIREMENT V | ILLAGE. VILLAS 1-36 SHOWN | | | |
| DP867509 | | | | |
| Lot(s): 10 | | | | |
| PD1000004 | REGISTERED | SURVEY | EASEMENT | |
| DP1026894 Lot(s): 251, 252 | | | | |
| P219693 | HISTORICAL | SURVEY | SUBDIVISION | |
| DP1062507 | | | | |
| Lot(s): 61, 62 | HISTORICAL | COMPILATION | SUBDIVISION | |
| Lot(s): 62 | THOTOTORIE | | CODDITION | |
| 🗋 🖳 DP2356 | HISTORICAL | COMPILATION | UNRESEARCHED |) |
| DP1065791 | | | | |
| Lot(s): 41, 42 | HISTORICAL | SURVEY | UNRESEARCHED |) |
| DP1073954 | | | | |
| Lot(s): 24 | DECIOTEDED | | | |
| DP1140190 Lot(s): 10, 12, 13, 14, 15, 10 | REGISTERED | SURVEY | SUBDIVISION | |
| DP814457 | HISTORICAL | SURVEY | SUBDIVISION | |
| Lot(s): 25 | | | | |
| DP778289 | HISTORICAL | SURVEY | SUBDIVISION | |
| DP1075815 Lot(s): 41 | | | | |
| DP705079 | HISTORICAL | SURVEY | CROWN FOLIO C | REATION |
| DP1081866 | | | | |
| Lot(s): 101, 102, 103 | HISTORICAL | SURVEY | UNRESEARCHED | |
| E DF 3037 | HIGTORICAL | SURVET | UNRESEARCHEL | |

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 ACTIVITY PRIOR TO SEPTEMBER 2002 you must refer to the RGs Charting and Reference Maps.

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| NSW REGIS | TRY L | Cadastral Records Enquiry Report : Lo Locality : NORTH TAMWORTH | | Parish : TAMWORTH | | |
|---|-----------|--|-------------|-----------------------|----|--|
| SERVICES | | .GA : TAMWORTH REGION | IAL | County : INGLIS | | |
| | | Status | Surv/Comp | Purpose | | |
| 101001 | | | | | | |
|): 1 | | | | | | |
| 🦳 DP2973 | 34 | HISTORICAL | SURVEY | UNRESEARCHED | | |
| 113727 | | | | | | |
|): 111, 112 | 67 | HISTORICAL | SURVEY | SUBDIVISION | | |
| DP8144 | | HISTORICAL | | SUBDIVISION | | |
| 🧧 DP1073 | 5954 | HISTORICAL | SURVEY | SUBDIVISION | | |
| 14638 | | | | | | |
|): 51 Image: 51 (24) (24) (24) (24) (25) (25) (25) (25) (25) (25) (25) (25 | 165 | HISTORICAL | COMPILATION | SUBDIVISION | | |
| E DP1024 | | HISTORICAL | SURVEY | SUBDIVISION | | |
| | | | | | | |
| 🧕 DP1031 | 338 | HISTORICAL | SURVEY | SUBDIVISION | | |
| 18938 | | | | | | |
|): 1 📮 DP7538 | 848 | HISTORICAL | COMPILATION | CROWN ADMIN N | 0 | |
| E DP1099 | | HISTORICAL | SURVEY | ROADS ACT, 1993 | - | |
| | | | | |) | |
| | V GAZ. | - SEE AD462184 | 007 | Folio : 7235 | | |
| | 0008000 | - OLL AD402104 | | | | |
|): 1, 3 🐙 NSV | V GAZ. | 11-07-2 | 008 | Folio : 6941 | | |
| | D ROAD | 11-07-2 | 000 | 1 010 . 0341 | | |
| | | DP1118938 | | | | |
|): 2 | | | | | | |
| | V GAZ. | 08-02-2 | 008 | Folio : 672 | | |
| CLOSE | D ROAD | | | | | |
| LOT 2 [| DP1118938 | | | | | |
| 19787 | | | | | | |
|): 2 | | | | | | |
| | V GAZ. | 22-02-2 | 008 | Folio : 1160 | | |
| | | | | | | |
| | DP1119787 | | | | | |
| 127918): 97, 98 | | | | | | |
|). 97, 98 IDP5347 | 738 | HISTORICAL | SURVEY | SUBDIVISION | | |
| 38439 | 50 | HIGTORIEAE | SOICET | SOBDIVISION | | |
|): 70 | | | | | | |
| , 10 🖳 DP7538 | 348 | HISTORICAL | COMPILATION | CROWN ADMIN N | 0. | |
| 📮 DP1118 | | HISTORICAL | COMPILATION | CROWN FOLIO C | | |
| | V GAZ. | 28-12-2 | | Folio : 10758 | | |
| | D ROAD | 20-12-2 | 001 | 1010.10730 | | |
| | DP1118603 | | | | | |
| 40190 | | | | | | |
|): 221, 222 | | | | | | |
| É 🖳 DP8144 | 57 | HISTORICAL | SURVEY | SUBDIVISION | | |
| 🧧 DP1073 | | HISTORICAL | SURVEY | SUBDIVISION | | |
| 152231 | | | | | | |
|): 181 | | | | | | |
| 🧴 🖳 DP1119 | 787 | HISTORICAL | COMPILATION | ROADS ACT, 1993 | 3 | |
| 👼 NSV | V GAZ. | 21-12-2 | 007 | Folio : 9993 | | |
| | D ROAD | | | | | |
| | DP1119787 | | | | | |
|): 180, 181 | | | | | | |
| 🖳 DP7538 | 348 | HISTORICAL | COMPILATION | CROWN ADMIN N | 0. | |
|): 180 | | | | | | |
| 🐙 NSV | V GAZ. | 16-08-2 | | Folio : 3777 | | |
| | | | | D HOUSING CORPORATION | | |

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 ACTIVITY PRIOR TO SEPTEMBER 2002 you must refer to the RGs Charting and Reference Maps.

Cadastral Records Enquiry Report : Lot 1 DP 1181268

Ref: NOUSER

| LAND | | Cauastral Necords Enquiry Report. Lot 1 DF 1181200 | | | | |
|--------------------------|---|--|--------------------|-------------------------------|--------------|--|
| NSW REGISTRY SERVICES | Locality : NORTH TAMWORTH Parish : TAMWORTH | | | | | |
| | LGA : TAMWORTH REGION | 41 | County : INGLIS | | | |
| • | | | | - | | |
| | | Status | Surv/Comp | Purpose | | |
| DP115814 | 6 | | | | | |
| _ot(s): 730- | | | | | | |
| | NSW GAZ. | 22-07-20 | | Folio : 2048 | | |
| | | OF RESERVATION OF CROWN | | | | |
| ę | 96144 - LOTS 4 | 135-436 DP1054103 AND LOT 7 | 304 DP1158146 | | | |
| P1168984 | 4 | | | | | |
| | 13, 14, 15, 16 | | | | | |
| | DP787936 | HISTORICAL | SURVEY | SUBDIVISION | | |
| P117308 | 9 | | | | | |
| ot(s): 1 | | | | | | |
| | DP47171 | HISTORICAL | SURVEY | CROWN FOLIO CRE | ATION | |
| | DP753848 | HISTORICAL | COMPILATION | CROWN ADMIN NO. | | |
| | DP1055791 | HISTORICAL | SURVEY | CROWN FOLIO CRE | ATION | |
| | DP1165492 | HISTORICAL | SURVEY | REDEFINITION | | |
| | NSW GAZ. | 01-07-20 | 11 | Folio : 4697 | | |
| | REVOCATION | OF RESERVATION OF CROWN | I LAND RESERVE NO. | LOTS 265, 330 AND 363 DP75384 | 48 AND LOT 1 | |
| P117643 | | | | | | |
| ot(s): 11, | - | | | | | |
| | DP356648 | HISTORICAL | SURVEY | UNRESEARCHED | | |
| P118126 | | | | | | |
| ot(s): 1 | - | | | | | |
| | DP533835 | HISTORICAL | SURVEY | RESUMPTION OR A | CQUISITION | |
| | DP1195542 | REGISTERED | SURVEY | EASEMENT | | |
| ot(s): 6 | | | | | | |
| | DP1188571 | REGISTERED | SURVEY | RESUMPTION OR A | COUISITION | |
| | NSW GAZ. | 11-10-20 | | Folio : 4470 | | |
| | HEALTH ADMII DP1188571 | R THE PURPOSES OF THE NISTRATION ACT 1982 LOT 61 | DP1188571 AND EASE | MENTS DESIGNATED (A) AND (E | 3) SHOWN IN | |
| | DP1175412 | HISTORICAL | COMPILATION | CROWN ROAD ENC | LOSURE | |
| ot(s): 2, 9 | | HISTORICAL | | | | |
| | DP1076546 | HISTORICAL | COMPILATION | DEPARTMENTAL | | |
| ot(s): 1, 4 | | | | | | |
| | DP753848 | HISTORICAL | COMPILATION | CROWN ADMIN NO. | | |
| | NSW GAZ. CLOSED ROAI LOT 1 DP11754 | | 12 | Folio : 1366 | | |
| | RESERVE NO. | 22-06-20 RESERVED CROWN LAND 14778 - LOT 1 DP1175412 | 12 | Folio : 2514 | | |
| | NSW GAZ. ACQUIRED FO | 21-12-20 R THE PURPOSES OF THE | | Folio : 5244 | | |
| | | NISTRATION ACT 1982 - LOTS | 1-5 DP1181268 | | | |
| P118550 | | | | | | |
| ot(s): 17, | | | | | | |
| | DP787936 | HISTORICAL | SURVEY | SUBDIVISION | | |
| | DP1168984 | HISTORICAL | SURVEY | SUBDIVISION | | |
| P1190692 | 2 | | | | | |
| ot(s): 56 | | | | | | |
| | DP5057 | HISTORICAL | SURVEY | UNRESEARCHED | | |
| <u> </u> | DP408923 | HISTORICAL | SURVEY | UNRESEARCHED | | |
| | DP873857 | HISTORICAL | COMPILATION | CONSOLIDATION | | |
| P119831 | | | | | | |
| ot(s): 1 | - | | | | | |
| | DP24858 | HISTORICAL | SURVEY | UNRESEARCHED | | |
| | DP534738 | HISTORICAL | SURVEY | SUBDIVISION | | |
| | | | 00.00 | 000011101011 | | |

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ACTIVITY PRIOR TO SEPTEMBER 2002 you must refer to the RGs Charting and Reference Maps.

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| NSW REGISTRY SERVICES | - | Locality : NORTH TAMWORTH LGA : TAMWORTH REGIONAL | | |
|--------------------------|--|--|----------------------------|---|
| • | Status | Surv/Comp | County : INGLIS Purpose | |
| ot(s): 1, 5 | Status | Survicomp | Fulpose | |
| 🖳 DP416035 | HISTORICAL | SURVEY | UNRESEARCHED |) |
| P1199017 | | | | |
| ot(s): 20, 21, 22, 23, | 24 | | | |
| 🖳 DP787936 | HISTORICAL | SURVEY | SUBDIVISION | |
| 🖳 DP116898 | 4 HISTORICAL | SURVEY | SUBDIVISION | |
| 🖳 DP118550 | HISTORICAL | SURVEY | SUBDIVISION | |
| P1206794 | | | | |
| ot(s): 251, 252 | | | | |
| 🖳 DP787936 | HISTORICAL | SURVEY | SUBDIVISION | |
| 🖳 DP116898 | 4 HISTORICAL | SURVEY | SUBDIVISION | |
| 🖳 DP118550 | HISTORICAL | SURVEY | SUBDIVISION | |
| 🖳 DP119901 | 7 HISTORICAL | SURVEY | SUBDIVISION | |
| P1212334 | | | | |
| ot(s): 26, 27, 28 | | | | |
| 🖳 DP787936 | HISTORICAL | SURVEY | SUBDIVISION | |
| 🖳 DP116898 | 4 HISTORICAL | SURVEY | SUBDIVISION | |
| 🖳 DP118550 | HISTORICAL | SURVEY | SUBDIVISION | |
| 🖳 DP119901 | 7 HISTORICAL | SURVEY | SUBDIVISION | |
| P1219373 | | | | |
| ot(s): 29, 30, 32 | | | | |
| DP787936 | HISTORICAL | SURVEY | SUBDIVISION | |
| 🖳 DP116898 | 4 HISTORICAL | SURVEY | SUBDIVISION | |
| 📃 DP118550 | HISTORICAL | SURVEY | SUBDIVISION | |
| 💻 DP119901 | 7 HISTORICAL | SURVEY | SUBDIVISION | |
| 📮 DP121233 | | SURVEY | SUBDIVISION | |
| P1231114 | | | | |
| ot(s): 3 | | | | |
| 📜 DP6633 | HISTORICAL | SURVEY | UNRESEARCHED |) |
| P1233761 | | | | |
| ot(s): 155, 156 | | | | |
| 🖳 DP21802 | HISTORICAL | SURVEY | UNRESEARCHED |) |
| P1243825 | | | | |
| ot(s): 34, 35 | | | | |
| 🦳 DP787936 | HISTORICAL | SURVEY | SUBDIVISION | |
| 🦳 DP116898 | | SURVEY | SUBDIVISION | |
| 🖳 DP118550 | | SURVEY | SUBDIVISION | |
| 🖳 DP119901 | | SURVEY | SUBDIVISION | |
| 🖳 DP121233 | 4 HISTORICAL | SURVEY | SUBDIVISION | |
| 🖳 DP121937 | 3 HISTORICAL | SURVEY | SUBDIVISION | |
| 🖳 DP123928 | 3 HISTORICAL | SURVEY | SUBDIVISION | |
| P1248231 | | | | |
| ot(s): 7, 10 | | | | |
| 🦳 DP728359 | HISTORICAL | SURVEY | SUBDIVISION | |
| 🖳 DP107822 | 1 HISTORICAL | SURVEY | SUBDIVISION | |
| 🖳 DP123928 | 3 HISTORICAL | SURVEY | SUBDIVISION | |
| ot(s): 10 | | | | |
| 🖳 DP807724 | HISTORICAL | SURVEY | SUBDIVISION | |
| ot(s): 7 | | | | |
| | ANDS ACT, 1989; LAND ACQUI ON 138 OF THE CROWN LAND | | | |
| MSW G | | 7-2014 | Folio : 2587 | |
| × 11077 G | ION OF RESERVATION OF CR | | 1010.2007 | |

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 ACTIVITY PRIOR TO SEPTEMBER 2002 you must refer to the RGs Charting and Reference Maps.

| NSW | LAND REGISTRY SERVICES |
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Ref: NOUSER

| | LAND | <u>ouddollai Roooldo Enq</u> | | |
|------------|-----------------------------|-----------------------------------|---------------------|---|
| NSW | REGISTRY | Locality : NORTH TAMWORTH | | Parish : TAMWORTH |
| | SERVICES | LGA : TAMWORTH REGIONAL | | County : INGLIS |
| | | Status | Surv/Comp | Purpose |
| SP39444 | | | • | |
| | SP76794 | REGISTERED | COMPILATION | STRATA SUBDIVISION PLAN |
| | SP76795 | REGISTERED | COMPILATION | STRATA SUBDIVISION PLAN |
| | SP76796 | REGISTERED | COMPILATION | STRATA SUBDIVISION PLAN |
| SP42622 | | | | |
| | SP92944 | REGISTERED | COMPILATION | STRATA SUBDIVISION PLAN |
| SP71381 | | | | |
| | DP599841 | HISTORICAL | COMPILATION | SUBDIVISION |
| | DP1060436 | HISTORICAL | SURVEY | REDEFINITION |
| SP74886 | | | | |
| | DP411207 | HISTORICAL | SURVEY | UNRESEARCHED |
| | DP1082072 | HISTORICAL | SURVEY | REDEFINITION |
| SP79603 | | | | |
| | DP1117945 | HISTORICAL | SURVEY | CONSOLIDATION |
| SP83382 | | | | |
| | DP367939 | HISTORICAL | SURVEY | UNRESEARCHED |
| | DP1139570 | HISTORICAL | SURVEY | REDEFINITION |
| SP96078 | | | | |
| | DP25168 | HISTORICAL | SURVEY | UNRESEARCHED |
| | DP1234151 | HISTORICAL | SURVEY | REDEFINITION |
| SP98897 | | | | |
| | DP787936 | HISTORICAL | SURVEY | SUBDIVISION |
| | DP1168984 | HISTORICAL | SURVEY | SUBDIVISION |
| | DP1185500 | HISTORICAL | SURVEY | SUBDIVISION |
| | DP1199017 | HISTORICAL | SURVEY | SUBDIVISION |
| | DP1212334 | HISTORICAL | SURVEY | SUBDIVISION |
| | DP1219373 | HISTORICAL | SURVEY | SUBDIVISION |
| Road | | | | |
| | (s): 105033014 | | | |
| | NSW GAZ. | 07-06-2019 | | Folio : 1861 |
| | | | | IYING THIS GAZETTE NOTIFICATION |
| | | | | THIS GAZETTE NOTIFICATION |
| | (s): 105644160 DP1099608 | HISTORICAL | SURVEY | ROADS ACT, 1993 |
| | | , 105372792, 105644160 | | NOADO ACT, 1995 |
| Polygon id | NSW GAZ. | , 105372792, 105644160 05-05-2006 | | Folio : 2709 |
| 7 | | F CROWN ROAD TO COUNCIL | | 1010.2700 |
| | | , 173040956, 173040966 | | |
| erygen ia | NSW GAZ. | 03-07-2015 | | Folio : 2042 |
| .~7 | | CROWN ROAD TO COUNCIL | | |
| olygon Id | (s): 105033015 | , 105208434, 105225589, 10522559 | 0, 105259797, 10536 | 61269, 105435691, 105543025, 105548706, |
| 10555442 | 5, 105577172, 1 | 05582842, 105588476, 105599689 | | |
| 7 | EX-SUR 68/34 | DP978236 | | |
| | | | | |

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Locality : NORTH TAMWORTH LGA : TAMWORTH REGIONAL Parish : TAMWORTH County : INGLIS Ref : NOUSER

| PlanSurv/CompPurposeDP180COMPILATIONUNRESEARCHEDDP2356COMPILATIONUNRESEARCHEDDP5074SURVEYUNRESEARCHEDDP5074SURVEYUNRESEARCHEDDP5733SURVEYUNRESEARCHEDDP12300SURVEYUNRESEARCHEDDP12300SURVEYUNRESEARCHEDDP23602SURVEYUNRESEARCHEDDP23603SURVEYUNRESEARCHEDDP23604SURVEYUNRESEARCHEDDP23505SURVEYUNRESEARCHEDDP23506SURVEYUNRESEARCHEDDP23507SURVEYUNRESEARCHEDDP23508SURVEYUNRESEARCHEDDP23504SURVEYUNRESEARCHEDDP23505SURVEYUNRESEARCHEDDP23504SURVEYUNRESEARCHEDDP23505SURVEYUNRESEARCHEDDP23507SURVEYSUBDIVISIONDP23508SURVEYSUBDIVISIONDP23507SURVEYSUBDIVISIONDP23507SURVEYSUBDIVISIONDP23507SURVEYSUBDIVISIONDP23507SURVEYSUBDIVISIONDP23508SURVEYSUBDIVISIONDP23509SURVEYSUBDIVISIONDP23507SURVEYSUBDIVISIONDP23507SURVEYSUBDIVISIONDP23507SURVEYSUBDIVISIONDP23508SURVEYSUBDIVISIONDP23509SURVEYSUBDIVISIONDP23509SURVEYSUBDIVISIONDP23509SURVEYS | | LGA : TAMWORTH REGIONAL | County : INGLIS |
|---|----------|-------------------------|----------------------|
| DP2356 COMPLATION UNRESEARCHED DP5057 SURVEY UNRESEARCHED DP5674 SURVEY UNRESEARCHED DP6633 SURVEY UNRESEARCHED DP62050 SURVEY UNRESEARCHED DP12100 SURVEY UNRESEARCHED DP12200 SURVEY UNRESEARCHED DP21802 SURVEY UNRESEARCHED DP24303 SURVEY UNRESEARCHED DP24101 SURVEY UNRESEARCHED DP23505 SURVEY UNRESEARCHED DP23514 SURVEY UNRESEARCHED DP23525 SURVEY UNRESEARCHED DP24754 SURVEY SURDIVISION DP24355 SURVEY SURDIVISION DP24364 COMPLATION CROWN FOLO CREATION DP24364 SURVEY SURDI | Plan | Surv/Comp | Purpose |
| DP2356 COMPILATION UNRESEARCHED DP6057 SURVEY UNRESEARCHED DP6373 SURVEY UNRESEARCHED DP6373 SURVEY UNRESEARCHED DP6373 SURVEY UNRESEARCHED DP6373 SURVEY UNRESEARCHED DP1210 SURVEY UNRESEARCHED DP12102 SURVEY UNRESEARCHED DP23162 SURVEY UNRESEARCHED DP23565 SURVEY UNRESEARCHED DP23565 SURVEY UNRESEARCHED DP23573 SURVEY UNRESEARCHED DP23574 SURVEY UNRESEARCHED DP23573 SURVEY UNRESEARCHED DP23573 SURVEY UNRESEARCHED DP23573 SURVEY SUBDIVISION DP23563 SURVEY SUBDIVISION DP23573 SURVEY SUBDIVISION DP23526 SURVEY SUBDIVISION DP23526 SURVEY SUBDIVISION DP235260 SURVEY SUBDIVISION | DP189 | COMPILATION | UNRESEARCHED |
| DP567 SURVEY UNRESEARCHED DP5674 SURVEY UNRESEARCHED DP5733 SURVEY UNRESEARCHED DP6633 SURVEY UNRESEARCHED DP1200 SURVEY UNRESEARCHED DP1210 SURVEY UNRESEARCHED DP24810 SURVEY UNRESEARCHED DP24101 SURVEY UNRESEARCHED DP23163 SURVEY UNRESEARCHED DP23552 SURVEY UNRESEARCHED DP23562 SURVEY UNRESEARCHED DP23563 SURVEY UNRESEARCHED DP23564 SURVEY UNRESEARCHED DP23573 SURVEY UNRESEARCHED DP241417 SURVEY UNRESEARCHED DP2424117 SURVEY SUBDIVISION DP23636 SURVEY SUBDIVISION DP23636 SURVEY SUBDIVISION DP23637 SURVEY SUBDIVISION DP236361 SURVEY SUBDIVISION DP23693 SURVEY SUBDIVISION < | | COMPILATION | UNRESEARCHED |
| DP673 SURVEY UNRESEARCHED DP6733 SURVEY UNRESEARCHED DP633 SURVEY UNRESEARCHED DP1210 SURVEY UNRESEARCHED DP13200 SURVEY UNRESEARCHED DP132102 SURVEY UNRESEARCHED DP241802 SURVEY UNRESEARCHED DP245168 SURVEY UNRESEARCHED DP25656 SURVEY UNRESEARCHED DP26050 SURVEY UNRESEARCHED DP26161 SURVEY UNRESEARCHED DP26171 SURVEY UNRESEARCHED DP26163 SURVEY UNRESEARCHED DP26164 SURVEY UNRESEARCHED DP26161 SURVEY UNRESEARCHED DP261613 SURVEY UNRESEARCHED DP241613 SURVEY SUBDIVISION DP2432036 SURVEY SUBDIVISION DP233063 SURVEY SUBDIVISION DP233064 SURVEY SUBDIVISION DP233075 SURVEY SUBDIVISION <td></td> <td></td> <td></td> | | | |
| DP5733 SURVEY UNRESEARCHED DP6833 SURVEY UNRESEARCHED DP12210 SURVEY UNRESEARCHED DP18200 SURVEY UNRESEARCHED DP24811 SURVEY UNRESEARCHED DP24812 SURVEY UNRESEARCHED DP24813 SURVEY UNRESEARCHED DP25555 SURVEY UNRESEARCHED DP24814 SURVEY UNRESEARCHED DP24515 SURVEY UNRESEARCHED DP24614 SURVEY UNRESEARCHED DP241717 SURVEY UNRESEARCHED DP24494 COMPILATION CROWN FOLO CREATION DP24493 SURVEY SUBDIVISION DP23036 SURVEY SUBDIVISION DP23037 SURVEY SUBDIVISION DP23038 SURVEY SUBDIVISION DP230397 SURVEY SUBDIVISION DP23036 SURVEY SUBDIVISION DP23057 SURVEY SUBDIVISION DP2305857 SURVEY SUBDIVI | | | |
| DP6833 SURVEY UNRESEARCHED DP1210 SURVEY UNRESEARCHED DP12300 SURVEY UNRESEARCHED DP24102 SURVEY UNRESEARCHED DP2411 SURVEY UNRESEARCHED DP245168 SURVEY UNRESEARCHED DP26205 SURVEY UNRESEARCHED DP26205 SURVEY UNRESEARCHED DP26161 SURVEY UNRESEARCHED DP26171 SURVEY UNRESEARCHED DP26172 SURVEY UNRESEARCHED DP26173 SURVEY UNRESEARCHED DP230171 SURVEY UNRESEARCHED DP242333 SURVEY SUBDIVISION DP233236 SURVEY SUBDIVISION DP233237 SURVEY SUBDIVISION DP233236 SURVEY SUBDIVISION DP233237 SURVEY SUBDIVISION DP233051 SURVEY SUBDIVISION DP233079 SURVEY SUBDIVISION DP233079 SURVEY SUBDIVISION <td></td> <td></td> <td></td> | | | |
| DP12210 SURVEY UNRESEARCHED DP18200 SURVEY UNRESEARCHED DP284811 SURVEY UNRESEARCHED DP284811 SURVEY UNRESEARCHED DP28555 SURVEY UNRESEARCHED DP28552 SURVEY UNRESEARCHED DP28152 SURVEY UNRESEARCHED DP28152 SURVEY UNRESEARCHED DP28152 SURVEY UNRESEARCHED DP28152 SURVEY UNRESEARCHED DP28153 SURVEY UNRESEARCHED DP28154 SURVEY SUBDIVISION DP244204 COMPILATION CROWN FOLIO CREATION DP24893 SURVEY SUBDIVISION DP230651 SURVEY SUBDIVISION DP230657 SURVEY SUBDIVISION DP230651 SURVEY SUBDIVISION DP23079 SURVEY SUBDIVISION DP230651 SURVEY SUBDIVISION DP23079 SURVEY SUBDIVISION DP230749 SURVEY S | | | |
| DP18200 SURVEY UNRESEARCHED DP28102 SURVEY UNRESEARCHED DP28108 SURVEY UNRESEARCHED DP28168 SURVEY UNRESEARCHED DP28205 SURVEY UNRESEARCHED DP28162 SURVEY UNRESEARCHED DP28174 SURVEY UNRESEARCHED DP28175 SURVEY UNRESEARCHED DP28174 SURVEY UNRESEARCHED DP28171 SURVEY UNRESEARCHED DP28171 SURVEY SUBDIVISION DP244117 SURVEY SUBDIVISION DP23053 SURVEY SUBDIVISION DP23054 SURVEY SUBDIVISION DP23055 SURVEY SUBDIVISION DP23056 SURVEY SUBDIVISION DP23057 SURVEY SUBDIVISION DP23058 SURVEY SUBDIVISION DP23059 SURVEY SUBDIVISION DP23050 SURVEY SUBDIVISION DP2305163 SURVEY SUBDIVISION | | | |
| DP218i02 SURVEY UNRESEARCHED DP24811 SURVEY UNRESEARCHED DP25555 SURVEY UNRESEARCHED DP25555 SURVEY UNRESEARCHED DP28152 SURVEY UNRESEARCHED DP28152 SURVEY UNRESEARCHED DP28152 SURVEY UNRESEARCHED DP28152 SURVEY UNRESEARCHED DP281734 SURVEY UNRESEARCHED DP31219 SURVEY UNRESEARCHED DP44204 COMPLATION CROWN POLID CREATION DP219693 SURVEY SUBDIVISION DP232337 SURVEY SUBDIVISION DP232337 SURVEY SUBDIVISION DP232337 SURVEY SUBDIVISION DP233520 SURVEY SUBDIVISION DP23353 SURVEY SUBDIVISION DP23354 SURVEY SUBDIVISION DP23355 SURVEY SUBDIVISION DP23355 SURVEY SUBDIVISION DP23356 SURVEY SUBD | | | |
| DP24811 SURVEY UNRESEARCHED DP25168 SURVEY UNRESEARCHED DP25555 SURVEY UNRESEARCHED DP26205 SURVEY UNRESEARCHED DP25161 SURVEY UNRESEARCHED DP24514 SURVEY UNRESEARCHED DP24514 SURVEY UNRESEARCHED DP241117 SURVEY UNRESEARCHED DP244117 SURVEY SUBDIVISION DP23053 SURVEY SUBDIVISION DP23053 SURVEY SUBDIVISION DP233930 SURVEY SUBDIVISION DP233937 SURVEY SUBDIVISION DP233937 SURVEY SUBDIVISION DP233979 SURVEY SUBDIVISION DP233979 SURVEY SUBDIVISION DP23333 SURVEY SUBDIVISION DP233979 SURVEY SUBDIVISION DP233979 SURVEY SUBDIVISION DP233331 SURVEY SUBDIVISION DP23399 SURVEY SUBDIVISION | | | |
| DP25168 SURVEY UNRESEARCHED DP25555 SURVEY UNRESEARCHED DP25555 SURVEY UNRESEARCHED DP25152 SURVEY UNRESEARCHED DP25154 SURVEY UNRESEARCHED DP25154 SURVEY UNRESEARCHED DP2152 SURVEY UNRESEARCHED DP21543 SURVEY UNRESEARCHED DP214903 SURVEY SUBDIVISION DP219693 SURVEY SUBDIVISION DP230305 SURVEY SUBDIVISION DP230305 SURVEY SUBDIVISION DP230305 SURVEY SUBDIVISION DP230305 SURVEY SUBDIVISION DP23057 SURVEY SUBDIVISION DP23057 SURVEY SUBDIVISION DP230501 SURVEY SUBDIVISION DP23051 SURVEY SUBDIVISION DP230531 SURVEY SUBDIVISION DP230531 SURVEY SUBDIVISION DP305073 SURVEY SUBDIVISION | | | |
| DP25555 SURVEY UNRESEARCHED DP26205 SURVEY UNRESEARCHED DP29152 SURVEY UNRESEARCHED DP29154 SURVEY UNRESEARCHED DP291734 SURVEY UNRESEARCHED DP31219 SURVEY UNRESEARCHED DP44204 COMPILATION CROWN FOLIO CREATION DP23193 SURVEY SUBDIVISION DP232937 SURVEY SUBDIVISION DP232937 SURVEY SUBDIVISION DP232937 SURVEY SUBDIVISION DP23651 SURVEY SUBDIVISION DP23657 SURVEY SUBDIVISION DP23903 SURVEY SUBDIVISION DP239143 SURVEY SUBDIVISION DP230973 SURVEY SUBDIVISION DP230913 SURVEY SUBDIVISION DP23092 SURVEY SUBDIVISION DP23093 SURVEY SUBDIVISION DP23093 SURVEY SUBDIVISION DP23090 SURVEY SUBDIVI | - | | |
| DP2205 SURVEY UNRESEARCHED DP29152 SURVEY UNRESEARCHED DP29514 SURVEY UNRESEARCHED DP3152 SURVEY UNRESEARCHED DP311219 SURVEY UNRESEARCHED DP31219 SURVEY SUBDIVISION DP213603 SURVEY SUBDIVISION DP232386 SURVEY SUBDIVISION DP232836 SURVEY SUBDIVISION DP23657 SURVEY SUBDIVISION DP23657 SURVEY SUBDIVISION DP23079 SURVEY SUBDIVISION DP2308079 SURVEY SUBDIVISION DP23313 SURVEY SUBDIVISION DP330163 SURVEY SUBDIVISION DP331063 SURVEY UNRESEARCHED DP331064 SURVEY UNRESEARCHED | | | |
| DP29152 SURVEY UNRESEARCHED DP295514 SURVEY UNRESEARCHED DP37134 SURVEY UNRESEARCHED DP44204 COMPILATION CROWN FOLIO CREATION DP24404 COMPILATION CROWN FOLIO CREATION DP24093 SURVEY SUBDIVISION DP230836 SURVEY SUBDIVISION DP230837 SURVEY SUBDIVISION DP230857 SURVEY SUBDIVISION DP230851 SURVEY SUBDIVISION DP230873 SURVEY SUBDIVISION DP2308731 SURVEY SUBDIVISION DP265386 SURVEY SUBDIVISION DP306731 SURVEY SUBDIVISION DP306731 SURVEY UNRESEARCHED DP321999 SURVEY UNRESEARCHED DP322000 SURVEY </td <td></td> <td></td> <td></td> | | | |
| DP29514 SURVEY UNRESEARCHED DP29734 SURVEY UNRESEARCHED DP4204 COMPILATION CROWN FOLIO CREATION DP21189 SURVEY SUBDIVISION DP232336 SURVEY SUBDIVISION DP232336 SURVEY SUBDIVISION DP232336 SURVEY SUBDIVISION DP232336 SURVEY SUBDIVISION DP232357 SURVEY SUBDIVISION DP233657 SURVEY SUBDIVISION DP23494 SURVEY SUBDIVISION DP235250 SURVEY SUBDIVISION DP263313 SURVEY SUBDIVISION DP263313 SURVEY SUBDIVISION DP301063 SURVEY UNRESEARCHED DP30371 SURVEY UNRESEARCHED DP330463 SURVEY UNRESEARCHED DP33044 SURVEY UNRESEARCHED DP33045 SURVEY UNRESEARCHED DP331063 SURVEY UNRESEARCHED DP331064 SURVEY | | | |
| DP29734 SURVEY UNRESEARCHED DP41219 SURVEY UNRESEARCHED DP42041 COMPILATION CROWN FOLIO CREATION DP214117 SURVEY SUBDIVISION DP2382936 SURVEY SUBDIVISION DP2382937 SURVEY SUBDIVISION DP23657 SURVEY SUBDIVISION DP23657 SURVEY SUBDIVISION DP239079 SURVEY SUBDIVISION DP23657 SURVEY SUBDIVISION DP237949 SURVEY SUBDIVISION DP233731 SURVEY SUBDIVISION DP263386 SURVEY SUBDIVISION DP263386 SURVEY SUBDIVISION DP263381 SURVEY SUBDIVISION DP308731 SURVEY UNRESEARCHED DP321988 SURVEY UNRESEARCHED DP321998 SURVEY UNRESEARCHED DP321998 SURVEY UNRESEARCHED DP321998 SURVEY UNRESEARCHED DP3311 SURVEY <t< td=""><td></td><td></td><td></td></t<> | | | |
| DP31219 SURVEY UNRESEARCHED DP44204 COMPILATION CROWN FOLIO CREATION DP211693 SURVEY SUBDIVISION DP232337 SURVEY SUBDIVISION DP232337 SURVEY SUBDIVISION DP232337 SURVEY SUBDIVISION DP232651 SURVEY SUBDIVISION DP236557 SURVEY SUBDIVISION DP23793 SURVEY SUBDIVISION DP236557 SURVEY SUBDIVISION DP236353 SURVEY SUBDIVISION DP236313 SURVEY SUBDIVISION DP263313 SURVEY SUBDIVISION DP263313 SURVEY UNRESEARCHED DP30063 SURVEY UNRESEARCHED DP30163 SURVEY UNRESEARCHED DP321998 SURVEY UNRESEARCHED DP321999 SURVEY UNRESEARCHED DP321999 SURVEY UNRESEARCHED DP321999 SURVEY UNRESEARCHED DP321991 SURVEY | | | |
| DP44204 COMPILATION CROWN FOLIO CREATION DP214117 SURVEY SUBDIVISION DP236963 SURVEY SUBDIVISION DP232936 SURVEY SUBDIVISION DP232937 SURVEY SUBDIVISION DP236561 SURVEY SUBDIVISION DP23657 SURVEY SUBDIVISION DP237949 SURVEY SUBDIVISION DP23795 SURVEY SUBDIVISION DP23679 SURVEY SUBDIVISION DP23636 SURVEY SUBDIVISION DP263186 SURVEY SUBDIVISION DP263366 SURVEY SUBDIVISION DP263361 SURVEY SUBDIVISION DP306731 SURVEY UNRESEARCHED DP321998 SURVEY UNRESEARCHED DP321998 SURVEY UNRESEARCHED DP321998 SURVEY UNRESEARCHED DP33104 SURVEY UNRESEARCHED DP3310504 SURVEY UNRESEARCHED DP33193 SURVEY <td< td=""><td></td><td></td><td></td></td<> | | | |
| DP214117 SURVEY SUBDIVISION DP23693 SURVEY SUBDIVISION DP232936 SURVEY SUBDIVISION DP232937 SURVEY SUBDIVISION DP23651 SURVEY SUBDIVISION DP23657 SURVEY SUBDIVISION DP237949 SURVEY SUBDIVISION DP253250 SURVEY SUBDIVISION DP263313 SURVEY SUBDIVISION DP301063 SURVEY UNRESEARCHED DP30171 SURVEY UNRESEARCHED DP32198 SURVEY UNRESEARCHED DP322001 SURVEY UNRESEARCHED DP323064 SURVEY UNRESEARCHED DP33446 SURVEY UNRESEARCHED DP33453 SURVEY UNRESEARCHED DP33446 SURVEY UNRESEARCHED </td <td></td> <td></td> <td></td> | | | |
| DP218693 SURVEY SUBDIVISION DP232836 SURVEY SUBDIVISION DP232837 SURVEY SUBDIVISION DP23651 SURVEY SUBDIVISION DP23657 SURVEY SUBDIVISION DP239079 SURVEY SUBDIVISION DP23979 SURVEY SUBDIVISION DP235195 SURVEY SUBDIVISION DP257195 SURVEY SUBDIVISION DP263313 SURVEY SUBDIVISION DP263366 SURVEY SUBDIVISION DP301063 SURVEY SUBDIVISION DP3031063 SURVEY UNRESEARCHED DP303199 SURVEY UNRESEARCHED DP321999 SURVEY UNRESEARCHED DP321999 SURVEY UNRESEARCHED DP331064 SURVEY UNRESEARCHED DP331064 SURVEY UNRESEARCHED DP3331054 SURVEY UNRESEARCHED DP333466 SURVEY UNRESEARCHED DP3338466 SURVEY UNRES | - | | |
| DP232936 SURVEY SUBDIVISION DP232937 SURVEY SUBDIVISION DP23651 SURVEY SUBDIVISION DP23657 SURVEY SUBDIVISION DP23794 SURVEY SUBDIVISION DP23097 SURVEY SUBDIVISION DP23097 SURVEY SUBDIVISION DP23097 SURVEY SUBDIVISION DP263213 SURVEY SUBDIVISION DP263313 SURVEY SUBDIVISION DP263313 SURVEY SUBDIVISION DP263313 SURVEY UNRESEARCHED DP30163 SURVEY UNRESEARCHED DP32198 SURVEY UNRESEARCHED DP321998 SURVEY UNRESEARCHED DP321999 SURVEY UNRESEARCHED DP321991 SURVEY UNRESEARCHED DP321992 SURVEY UNRESEARCHED DP321993 SURVEY UNRESEARCHED DP331064 SURVEY UNRESEARCHED DP338393 SURVEY UNRESEARCHED | | | |
| DP232937SURVEYSUBDIVISIONDP33651SURVEYSUBDIVISIONDP237944SURVEYSUBDIVISIONDP237974SURVEYSUBDIVISIONDP239979SURVEYSUBDIVISIONDP253195SURVEYSUBDIVISIONDP255195SURVEYSUBDIVISIONDP2651195SURVEYSUBDIVISIONDP263313SURVEYSUBDIVISIONDP263386SURVEYSUBDIVISIONDP36386SURVEYUNRESEARCHEDDP308731SURVEYUNRESEARCHEDDP308731SURVEYUNRESEARCHEDDP308749SURVEYUNRESEARCHEDDP321999SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP338466SURVEYUNRESEARCHEDDP338466SURVEYUNRESEARCHEDDP338471SURVEYUNRESEARCHEDDP33883COMPILATIONUNRESEARCHEDDP33893SURVEYUNRESEARCHEDDP33690SURVEYUNRESEARCHEDDP37693SURVEYUNRESEARCHEDDP37693SURVEYUNRESEARCHEDDP37694SURVEYUNRESEARCHEDDP37695SURVEYUNRESEARCHEDDP37699SURVEYUNRESEARCHEDDP37199SURVEYUNRESEARCHEDDP37199SURVEYUNRESEARCHEDDP37199SURVEYUNRESEARCHEDD | | | |
| DP23651SURVEYSUBDIVISIONDP23657SURVEYSUBDIVISIONDP237949SURVEYSUBDIVISIONDP233979SURVEYSUBDIVISIONDP253250SURVEYSUBDIVISIONDP253251SURVEYSUBDIVISIONDP263313SURVEYSUBDIVISIONDP263314SURVEYSUBDIVISIONDP263315SURVEYSUBDIVISIONDP30163SURVEYUNRESEARCHEDDP308731SURVEYUNRESEARCHEDDP308749SURVEYUNRESEARCHEDDP321999SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP32201SURVEYUNRESEARCHEDDP33064SURVEYUNRESEARCHEDDP33164SURVEYUNRESEARCHEDDP33193SURVEYUNRESEARCHEDDP33193SURVEYUNRESEARCHEDDP339193SURVEYUNRESEARCHEDDP339193SURVEYUNRESEARCHEDDP339193SURVEYUNRESEARCHEDDP33671SURVEYUNRESEARCHEDDP336731SURVEYUNRESEARCHEDDP33993SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP370501SURVEYUNRESEARCHEDDP370503SURVEYUNRESEARCHEDDP370504SURVEYUNRESEARCHEDDP370505SURVEYUNRESEARCHEDDP37051SURVEYUNRESEARCHEDDP37051SURVEYUNRESEARCHEDDP370 | | | |
| DP23657SURVEYSUBDIVISIONDP237949SURVEYSUBDIVISIONDP239079SURVEYSUBDIVISIONDP255195SURVEYSUBDIVISIONDP255195SURVEYSUBDIVISIONDP2651313SURVEYSUBDIVISIONDP263386SURVEYSUBDIVISIONDP263386SURVEYUNRESEARCHEDDP301063SURVEYUNRESEARCHEDDP303741SURVEYUNRESEARCHEDDP303749SURVEYUNRESEARCHEDDP321998SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP333717SURVEYUNRESEARCHEDDP339836COMPILATIONUNRESEARCHEDDP339836COMPILATIONUNRESEARCHEDDP339836SURVEYUNRESEARCHEDDP33993SURVEYUNRESEARCHEDDP33993SURVEYUNRESEARCHEDDP33993SURVEYUNRESEARCHEDDP36211SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP37510SURVEYUNRESEARCHEDDP37511SURVEYUNRESEARCHEDDP37512SURVEYUNRESEARCHEDDP37513SURVEYUNRESEARCHEDDP37514SURVEYUNRESEARCHEDDP38044SURVEYUNRESEARCHEDDP38044SURVEYUNRESEARCHEDDP38045SURVEYUNRESEARCHED< | | | |
| DP2379299 SURVEY SUBDIVISION DP239079 SURVEY SUBDIVISION DP253250 SURVEY SUBDIVISION DP253250 SURVEY SUBDIVISION DP253313 SURVEY SUBDIVISION DP263313 SURVEY SUBDIVISION DP263313 SURVEY SUBDIVISION DP301063 SURVEY UNRESEARCHED DP303731 SURVEY UNRESEARCHED DP321999 SURVEY UNRESEARCHED DP322001 SURVEY UNRESEARCHED DP337477 SURVEY UNRESEARCHED DP337477 SURVEY UNRESEARCHED DP337477 SURVEY UNRESEARCHED DP337477 SURVEY UNRESEARCHED DP339193 SURVEY UNRESEARCHED DP339193 SURVEY UNRESEARCHED DP3393193 SURVEY UNRESEARCHED DP3393193 SURVEY UNRESEARCHED DP3393193 SURVEY UNRESEARCHED DP339393 SURVEY | | | |
| DP239079SURVEYSUBDIVISIONDP253250SURVEYSUBDIVISIONDP2537195SURVEYSUBDIVISIONDP263313SURVEYSUBDIVISIONDP263386SURVEYSUBDIVISIONDP308731SURVEYUNRESEARCHEDDP308731SURVEYUNRESEARCHEDDP308739SURVEYUNRESEARCHEDDP308749SURVEYUNRESEARCHEDDP321999SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP339731SURVEYUNRESEARCHEDDP33993SURVEYUNRESEARCHEDDP3391064SURVEYUNRESEARCHEDDP33913SURVEYUNRESEARCHEDDP33913SURVEYUNRESEARCHEDDP33993SURVEYUNRESEARCHEDDP35838SURVEYUNRESEARCHEDDP35939SURVEYUNRESEARCHEDDP36706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371030SURVEYUNRESEARCHEDDP37501SURVEYUNRESEARCHEDDP37501SURVEYUNRESEARCHEDDP37502SURVEYUNRESEARCHEDDP37503SURVEYUNRESEARCHEDDP37504SURVEYUNRESEARCHEDDP38044SURVEYUNRESEARCHEDDP38044SURVEYUNRESEARCHEDDP38044SURVEYUNRESEARCHEDDP | | | |
| DP2523250SURVEYSUBDIVISIONDP253135SURVEYSUBDIVISIONDP263313SURVEYSUBDIVISIONDP263314SURVEYSUBDIVISIONDP301063SURVEYUNRESEARCHEDDP3030731SURVEYUNRESEARCHEDDP3030731SURVEYUNRESEARCHEDDP3030731SURVEYUNRESEARCHEDDP3030749SURVEYUNRESEARCHEDDP321998SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP332001SURVEYUNRESEARCHEDDP332930SURVEYUNRESEARCHEDDP33931064SURVEYUNRESEARCHEDDP3393105SURVEYUNRESEARCHEDDP3393105SURVEYUNRESEARCHEDDP3393105SURVEYUNRESEARCHEDDP3393106SURVEYUNRESEARCHEDDP3393107SURVEYUNRESEARCHEDDP369706SURVEYUNRESEARCHEDDP369706SURVEYUNRESEARCHEDDP37102SURVEYUNRESEARCHEDDP37511SURVEYUNRESEARCHEDDP37511SURVEYUNRESEARCHEDDP33751SURVEYUNRESEARCHEDDP33751SURVEYUNRESEARCHEDDP33751SURVEYUNRESEARCHEDDP33753COMPILATIONUNRESEARCHEDDP33753COMPILATIONUNRESEARCHEDDP33753SURVEYUNRESEARCHEDDP338004SURVEYUNRES | DP237949 | | |
| DP257195SURVEYCROWN FOLIO CREATIONDP263313SURVEYSUBDIVISIONDP308731SURVEYSUBDIVISIONDP308731SURVEYUNRESEARCHEDDP308739SURVEYUNRESEARCHEDDP321998SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP33164SURVEYUNRESEARCHEDDP3321998SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP332001SURVEYUNRESEARCHEDDP33164SURVEYUNRESEARCHEDDP33165SURVEYUNRESEARCHEDDP339306SURVEYUNRESEARCHEDDP3393105SURVEYUNRESEARCHEDDP339313SURVEYUNRESEARCHEDDP339313SURVEYUNRESEARCHEDDP33933SURVEYUNRESEARCHEDDP36588SURVEYUNRESEARCHEDDP365939SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP37509SURVEYUNRESEARCHEDDP37510SURVEYUNRESEARCHEDDP37511SURVEYUNRESEARCHEDDP37512SURVEYUNRESEARCHEDDP39244SURVEYUNRESEARCHEDDP39253COMPILATIONUNRESEARCHEDDP3936488SURVEYUNRESEARCHEDDP393646SURVEYUNRESEARCHEDDP393646SURVEYUNRESEARCHEDDP3936488SURVEYUNRESEARCH | | | |
| DP283313SURVEYSUBDIVISIONDP283386SURVEYSUBDIVISIONDP301063SURVEYUNRESEARCHEDDP308731SURVEYUNRESEARCHEDDP308731SURVEYUNRESEARCHEDDP308739SURVEYUNRESEARCHEDDP321998SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP333731SURVEYUNRESEARCHEDDP338466SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP3399193SURVEYUNRESEARCHEDDP3399193SURVEYUNRESEARCHEDDP35638SURVEYUNRESEARCHEDDP367039SURVEYUNRESEARCHEDDP367039SURVEYUNRESEARCHEDDP367039SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371030SURVEYUNRESEARCHEDDP37510SURVEYUNRESEARCHEDDP37511SURVEYUNRESEARCHEDDP38044SURVEYUNRESEARCHEDDP38044SURVEYUNRESEARCHEDDP38044SURVEYUNRESEARCHEDDP39753COMPILATIONUNRESEARCHEDDP39753COMPILATIONUNRESEARCHEDDP39905SURVEYUNRESEARCHEDDP39905SURVEYUNRESEARCHEDDP39905SURVEYUNRESEARCHEDDP3906SURVEYUNRESEARCHED | | | |
| DP283386SURVEYSUBDIVISIONDP301063SURVEYUNRESEARCHEDDP308731SURVEYUNRESEARCHEDDP308731SURVEYUNRESEARCHEDDP321998SURVEYUNRESEARCHEDDP321999SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP334777SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP339936COMPILATIONUNRESEARCHEDDP339936SURVEYUNRESEARCHEDDP362211SURVEYUNRESEARCHEDDP362211SURVEYUNRESEARCHEDDP367039SURVEYUNRESEARCHEDDP367039SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371099SURVEYUNRESEARCHEDDP371061SURVEYUNRESEARCHEDDP3710761SURVEYUNRESEARCHEDDP371080SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP381712SURVEYUNRESEARCHEDDP381712SURVEYUNRESEARCHEDDP38034SURVEYUNRESEARCHEDDP3904SURVEYUNRESEARCHEDDP3905SURVEYUNRESEARCHEDDP3906SURVEYUNRESEARCHEDDP390753SURVEYUNRESEARCHED | DP257195 | | CROWN FOLIO CREATION |
| DP301063SURVEYUNRESEARCHEDDP308731SURVEYUNRESEARCHEDDP308739SURVEYUNRESEARCHEDDP321998SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP337177SURVEYUNRESEARCHEDDP338466SURVEYUNRESEARCHEDDP33871SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP338936COMPILATIONUNRESEARCHEDDP365211SURVEYUNRESEARCHEDDP365238SURVEYUNRESEARCHEDDP36706SURVEYUNRESEARCHEDDP367076SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP37509SURVEYUNRESEARCHEDDP37706SURVEYUNRESEARCHEDDP37707SURVEYUNRESEARCHEDDP37708SURVEYUNRESEARCHEDDP37709SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP38244SURVEYUNRESEARCHEDDP39253COMPILATIONUNRESEARCHEDDP39254SURVEYUNRESEARCHEDDP39254SURVEYUNRESEARCHEDDP401533SURVEYUNRESEARCHEDDP414201COMPILATIONUNRESEARCHEDDP414202SURVEYUNRESEARCHEDDP400251SURVEYUNRESEARCH | DP263313 | SURVEY | SUBDIVISION |
| DP308731SURVEYUNRESEARCHEDDP308739SURVEYUNRESEARCHEDDP321998SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP337064SURVEYUNRESEARCHEDDP337477SURVEYUNRESEARCHEDDP338466SURVEYUNRESEARCHEDDP338936COMPILATIONUNRESEARCHEDDP3589371SURVEYUNRESEARCHEDDP358936SURVEYUNRESEARCHEDDP359393SURVEYUNRESEARCHEDDP365838SURVEYUNRESEARCHEDDP36706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP37509SURVEYUNRESEARCHEDDP37509SURVEYUNRESEARCHEDDP37509SURVEYUNRESEARCHEDDP37501SURVEYUNRESEARCHEDDP37503SURVEYUNRESEARCHEDDP37504SURVEYUNRESEARCHEDDP37505SURVEYUNRESEARCHEDDP3751SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP38548SURVEYUNRESEARCHEDDP38548SURVEYUNRESEARCHEDDP38504SURVEYUNRESEARCHEDDP38503SURVEYUNRESEARCHEDDP38504SURVEYUNRESEARCHEDDP38503SURVEYUNRESEARCHEDDP38504SURVEYUNRESEARCHED <tr< td=""><td>DP263386</td><td>SURVEY</td><td>SUBDIVISION</td></tr<> | DP263386 | SURVEY | SUBDIVISION |
| DP308749SURVEYUNRESEARCHEDDP321998SURVEYUNRESEARCHEDDP321999SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP338466SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP3389193SURVEYUNRESEARCHEDDP338936COMPILATIONUNRESEARCHEDDP367393SURVEYUNRESEARCHEDDP36706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP37509SURVEYUNRESEARCHEDDP377551SURVEYUNRESEARCHEDDP377551SURVEYUNRESEARCHEDDP38748SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP38244SURVEYUNRESEARCHEDDP38244SURVEYUNRESEARCHEDDP3804SURVEYUNRESEARCHEDDP3804SURVEYUNRESEARCHEDDP3905SURVEYUNRESEARCHEDDP3906SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHED | DP301063 | SURVEY | UNRESEARCHED |
| DP321998SURVEYUNRESEARCHEDDP321999SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP322011SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP337477SURVEYUNRESEARCHEDDP338466SURVEYUNRESEARCHEDDP339393SURVEYUNRESEARCHEDDP339193SURVEYUNRESEARCHEDDP339836COMPILATIONUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP37510SURVEYUNRESEARCHEDDP37511SURVEYUNRESEARCHEDDP377551SURVEYUNRESEARCHEDDP377551SURVEYUNRESEARCHEDDP38488SURVEYUNRESEARCHEDDP37553COMPILATIONUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP386488SURVEYUNRESEARCHEDDP386488SURVEYUNRESEARCHEDDP386488SURVEYUNRESEARCHEDDP38648SURVEYUNRESEARCHEDDP38004SURVEYUNRESEARCHEDDP41623SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP41620SURVEYUNRESEARCHEDDP41420SURVEYUNRESEARCHEDDP41420SURVEYUNRESEARCHEDDP402051SURVEYSUBUIVISION | DP308731 | SURVEY | UNRESEARCHED |
| DP321999SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP332001SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP337477SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP338733SURVEYUNRESEARCHEDDP338734SURVEYUNRESEARCHEDDP338735COMPILATIONUNRESEARCHEDDP338736SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP382344SURVEYUNRESEARCHEDDP382344SURVEYUNRESEARCHEDDP3804SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP414201SURVEYUNRESEARCHEDDP414201SURVEYSUBDIVISION | DP308749 | SURVEY | UNRESEARCHED |
| DP322000SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP337477SURVEYUNRESEARCHEDDP338761SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP338733SURVEYUNRESEARCHEDDP338736COMPILATIONUNRESEARCHEDDP358737SURVEYUNRESEARCHEDDP3687339SURVEYUNRESEARCHEDDP369706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP386488SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP38004SURVEYUNRESEARCHEDDP398004SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414201SURVEYUNRESEARCHEDDP414201SURVEYUNRESEARCHEDDP402021SURVEYUNRESEARCHEDDP500251SURVEYSUBUVISION | DP321998 | SURVEY | UNRESEARCHED |
| DP322001SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP337477SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP339193SURVEYUNRESEARCHEDDP339366COMPILATIONUNRESEARCHEDDP355838SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP369706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP377112SURVEYUNRESEARCHEDDP3771361SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP37751SURVEYUNRESEARCHEDDP38004SURVEYUNRESEARCHEDDP39253COMPILATIONUNRESEARCHEDDP39253COMPILATIONUNRESEARCHEDDP398004SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHED | DP321999 | SURVEY | UNRESEARCHED |
| DP322001SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP337477SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP339193SURVEYUNRESEARCHEDDP339366COMPILATIONUNRESEARCHEDDP355838SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP369706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP377112SURVEYUNRESEARCHEDDP3771361SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP37751SURVEYUNRESEARCHEDDP38004SURVEYUNRESEARCHEDDP39253COMPILATIONUNRESEARCHEDDP39253COMPILATIONUNRESEARCHEDDP398004SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHED | DP322000 | SURVEY | UNRESEARCHED |
| DP331064SURVEYUNRESEARCHEDDP3381064SURVEYUNRESEARCHEDDP338466SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP339193SURVEYUNRESEARCHEDDP339836COMPILATIONUNRESEARCHEDDP358538SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP39253COMPILATIONUNRESEARCHEDDP39253COMPILATIONUNRESEARCHEDDP398004SURVEYUNRESEARCHEDDP405099SURVEYUNRESEARCHEDDP405099SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP414261COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP4050251SURVEYSUBDIVISION | | SURVEY | |
| DP337477SURVEYUNRESEARCHEDDP338466SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP339193SURVEYUNRESEARCHEDDP339836COMPILATIONUNRESEARCHEDDP365838SURVEYUNRESEARCHEDDP362711SURVEYUNRESEARCHEDDP3667039SURVEYUNRESEARCHEDDP367039SURVEYUNRESEARCHEDDP36706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP377551SURVEYUNRESEARCHEDDP381712SURVEYUNRESEARCHEDDP386488SURVEYUNRESEARCHEDDP397253COMPILATIONUNRESEARCHEDDP397253COMPILATIONUNRESEARCHEDDP398004SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414201SURVEYUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYUNRESEARCHED | | | |
| DP338731SURVEYUNRESEARCHEDDP339193SURVEYUNRESEARCHEDDP339836COMPILATIONUNRESEARCHEDDP35838SURVEYUNRESEARCHEDDP362211SURVEYUNRESEARCHEDDP367039SURVEYUNRESEARCHEDDP36706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP37609SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP37109SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP377551SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP38044SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP39266SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP40666SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP41420SURVEYUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYSUBDIVISION | | | |
| DP338731SURVEYUNRESEARCHEDDP339193SURVEYUNRESEARCHEDDP339836COMPILATIONUNRESEARCHEDDP355838SURVEYUNRESEARCHEDDP362211SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP369706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP373601SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP37553SURVEYUNRESEARCHEDDP38044SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP397253COMPILATIONUNRESEARCHEDDP397253SURVEYUNRESEARCHEDDP392646SURVEYUNRESEARCHEDDP40646SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414201COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYSUBUVISION | DP338466 | SURVEY | UNRESEARCHED |
| DP339193SURVEYUNRESEARCHEDDP339836COMPILATIONUNRESEARCHEDDP355838SURVEYUNRESEARCHEDDP362211SURVEYUNRESEARCHEDDP369706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP37109SURVEYUNRESEARCHEDDP37501SURVEYUNRESEARCHEDDP37509SURVEYUNRESEARCHEDDP37510SURVEYUNRESEARCHEDDP37511SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP401533SURVEYUNRESEARCHEDDP402666SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414201COMPILATIONUNRESEARCHEDDP414320SURVEYUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYUNRESEARCHED | | SURVEY | UNRESEARCHED |
| DP339836COMPILATIONUNRESEARCHEDDP355838SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP369706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371029SURVEYUNRESEARCHEDDP371029SURVEYUNRESEARCHEDDP37501SURVEYUNRESEARCHEDDP37509SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP37751SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP37553COMPILATIONUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP397253COMPILATIONUNRESEARCHEDDP398004SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414201COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYUNRESEARCHED | | | |
| DP355838SURVEYUNRESEARCHEDDP362211SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP369706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP373601SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP37751SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392343SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP401533SURVEYUNRESEARCHEDDP405099SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP41531SURVEYUNRESEARCHEDDP41532SURVEYUNRESEARCHEDDP41533SURVEYUNRESEARCHEDDP41531SURVEYUNRESEARCHEDDP41532SURVEYUNRESEARCHEDDP41533SURVEYUNRESEARCHEDDP41531SURVEYUNRESEARCHEDDP41532SURVEYUNRESEARCHEDDP41533SURVEYUNRESEARCHEDDP41531SURVEYUNRESEARCHEDDP41532SURVEYUNRESEARCHEDDP41533SURVEYUNRESEARCHEDDP41533SURVEYUNRESEARCHEDDP41533SURVEYUNRESEARCHED | | | |
| DP362211SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP369706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371899SURVEYUNRESEARCHEDDP37501SURVEYUNRESEARCHEDDP377509SURVEYUNRESEARCHEDDP37751SURVEYUNRESEARCHEDDP37751SURVEYUNRESEARCHEDDP37534SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP397253COMPILATIONUNRESEARCHEDDP401533SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414261COMPILATIONUNRESEARCHEDDP414261SURVEYUNRESEARCHEDDP414200SURVEYUNRESEARCHEDDP414201SURVEYUNRESEARCHEDDP414201SURVEYUNRESEARCHEDDP414201SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP414200SURVEYUNRESEARCHEDDP414200SURVEYSUBDIVISION | | | |
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| | | SURVEY | SUBDIVISION |
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ACTIVITY PRIOR TO SEPTEMBER 2002 you must refer to the RGs Charting and Reference Maps.



Locality : NORTH TAMWORTH

LGA : TAMWORTH REGIONAL

Parish : TAMWORTH

| | SERVICES LGA | TAMWORTH REGIONAL | County : INGLIS |
|------------------------|------------------------|-----------------------------------|--|
| | | | - |
| Plan | | Surv/Comp | Purpose |
| DP500255 | | SURVEY | SUBDIVISION |
| DP502813 | | SURVEY | SUBDIVISION |
| DP505056 | | COMPILATION | SUBDIVISION |
| DP509962 | | SURVEY | SUBDIVISION |
| DP514596 | | SURVEY | SUBDIVISION |
| DP515933 | | SURVEY | SUBDIVISION |
| DP521675 | | SURVEY | SUBDIVISION |
| DP529855 | | SURVEY | SUBDIVISION |
| DP547777 | | SURVEY | SUBDIVISION |
| DP577771 | | SURVEY SURVEY | SUBDIVISION |
| DP582401 DP599841 | | COMPILATION | SUBDIVISION SUBDIVISION |
| DP602489 | | SURVEY | SUBDIVISION |
| DP602802 | | SURVEY | SUBDIVISION |
| DP621717 | | SURVEY | SUBDIVISION |
| DP624629 | | COMPILATION | CONSOLIDATION |
| DP625470 | | COMPILATION | CONSOLIDATION |
| DP626018 | | COMPILATION | CONSOLIDATION |
| DP701079 | | SURVEY | SUBDIVISION |
| DP705077 | | COMPILATION | CROWN FOLIO CREATION |
| DP705079 | | SURVEY | CROWN FOLIO CREATION |
| DP710383 | | COMPILATION | SUBDIVISION |
| DP711064 | | COMPILATION | CONSOLIDATION |
| DP712550 | | SURVEY | SUBDIVISION |
| DP753848 | | COMPILATION | CROWN ADMIN NO. |
| DP787936 | | SURVEY | SUBDIVISION |
| DP794449 | | COMPILATION | SUBDIVISION |
| DP805420 | | COMPILATION | SUBDIVISION |
| DP807724 | | SURVEY | SUBDIVISION |
| DP809261 | | SURVEY | SUBDIVISION |
| DP809828 | | SURVEY | SUBDIVISION |
| DP814457 | | SURVEY | SUBDIVISION |
| DP817048 | | SURVEY | SUBDIVISION |
| DP831763 | | SURVEY | SUBDIVISION |
| DP837819 DP843333 | | SURVEY SURVEY | SUBDIVISION SUBDIVISION |
| DP845242 | | SURVEY | SUBDIVISION |
| DP848978 | | SURVEY | SUBDIVISION |
| DP850962 | | SURVEY | SUBDIVISION |
| DP851503 | | SURVEY | SUBDIVISION |
| DP867509 | | SURVEY | CONSOLIDATION |
| DP879868 | | SURVEY | SUBDIVISION |
| DP940397 | | COMPILATION | UNRESEARCHED |
| DP940398 | | COMPILATION | UNRESEARCHED |
| DP1026894 | | SURVEY | SUBDIVISION |
| DP1062507 | | SURVEY | SUBDIVISION |
| DP1065252 | | SURVEY | SUBDIVISION |
| DP1065791 | | SURVEY | SUBDIVISION |
| DP1067396 | | SURVEY | SUBDIVISION |
| DP1073954 | | SURVEY | SUBDIVISION |
| DP1075815 | | SURVEY | SUBDIVISION |
| DP1081866 | | SURVEY | SUBDIVISION |
| DP1101001 | | COMPILATION | CONSOLIDATION |
| DP1113727 | | SURVEY | SUBDIVISION |
| DP1114638 | | SURVEY | SUBDIVISION |
| DP1118938 | | SURVEY | ROADS ACT, 1993 |
| DP1119787 | | COMPILATION | ROADS ACT, 1993 |
| DP1123106 | | SURVEY | SUBDIVISION |
| DP1127918 | | SURVEY | SUBDIVISION |
| DP1138439 | | | |
| DP1140190 | | | SUBDIVISION |
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Caution: This information is provided as a searching aid only. Whilst every endeavour is made the ensure that current map, plan and

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Locality : NORTH TAMWORTH

Parish : TAMWORTH

| NSW REGISTRY | Locality . NORTH TAWWORTH | Falish. TAWWORTH |
|--------------------|-----------------------------|----------------------------|
| SERVICES | LGA : TAMWORTH REGIONAL | County : INGLIS |
| Plan | Surv/Comp | Purpose |
| DP1159337 | COMPILATION | CROWN LAND CONVERSION |
| DP1159338 | COMPILATION | CROWN LAND CONVERSION |
| DP1168984 | SURVEY | SUBDIVISION |
| DP1168984 | UNRESEARCHED | SUBDIVISION |
| DP1173089 | SURVEY | CONSOLIDATION |
| DP1176430 | SURVEY | SUBDIVISION |
| DP1181268 | SURVEY | RESUMPTION OR ACQUISITION |
| DP1185500 | SURVEY | SUBDIVISION |
| DP1190692 | COMPILATION | CONSOLIDATION |
| DP1198311 | SURVEY | SUBDIVISION |
| DP1198311 | UNRESEARCHED | SUBDIVISION |
| DP1199017 | SURVEY | SUBDIVISION |
| DP1199449 | SURVEY | CONSOLIDATION |
| DP1199449 | UNRESEARCHED | CONSOLIDATION |
| DP1206794 | SURVEY | SUBDIVISION |
| DP1212334 | SURVEY | SUBDIVISION |
| DP1219373 | SURVEY | SUBDIVISION |
| DP1231114 | SURVEY | REDEFINITION |
| DP1233761 | SURVEY | REDEFINITION |
| DP1233761 | UNRESEARCHED | REDEFINITION |
| DP1243825 | SURVEY | SUBDIVISION |
| DP1248231 | SURVEY | SUBDIVISION |
| SP18355 | COMPILATION | STRATA PLAN |
| SP18437 | COMPILATION | STRATA PLAN |
| SP18925 | COMPILATION | STRATA PLAN |
| SP30550 | COMPILATION | STRATA PLAN |
| SP37260 | COMPILATION | STRATA PLAN |
| SP38671 | COMPILATION | STRATA PLAN |
| SP39444 | COMPILATION | STRATA PLAN |
| SP42622 | COMPILATION | STRATA PLAN |
| SP46006 | COMPILATION | STRATA PLAN |
| SP47818 | COMPILATION | STRATA PLAN |
| SP48021 | COMPILATION | STRATA PLAN |
| SP48479 | COMPILATION | STRATA PLAN |
| SP52716 | COMPILATION | STRATA PLAN |
| SP71381 | | STRATA PLAN |
| SP74886 | | STRATA PLAN |
| SP79603 | | STRATA PLAN |
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 Caution:
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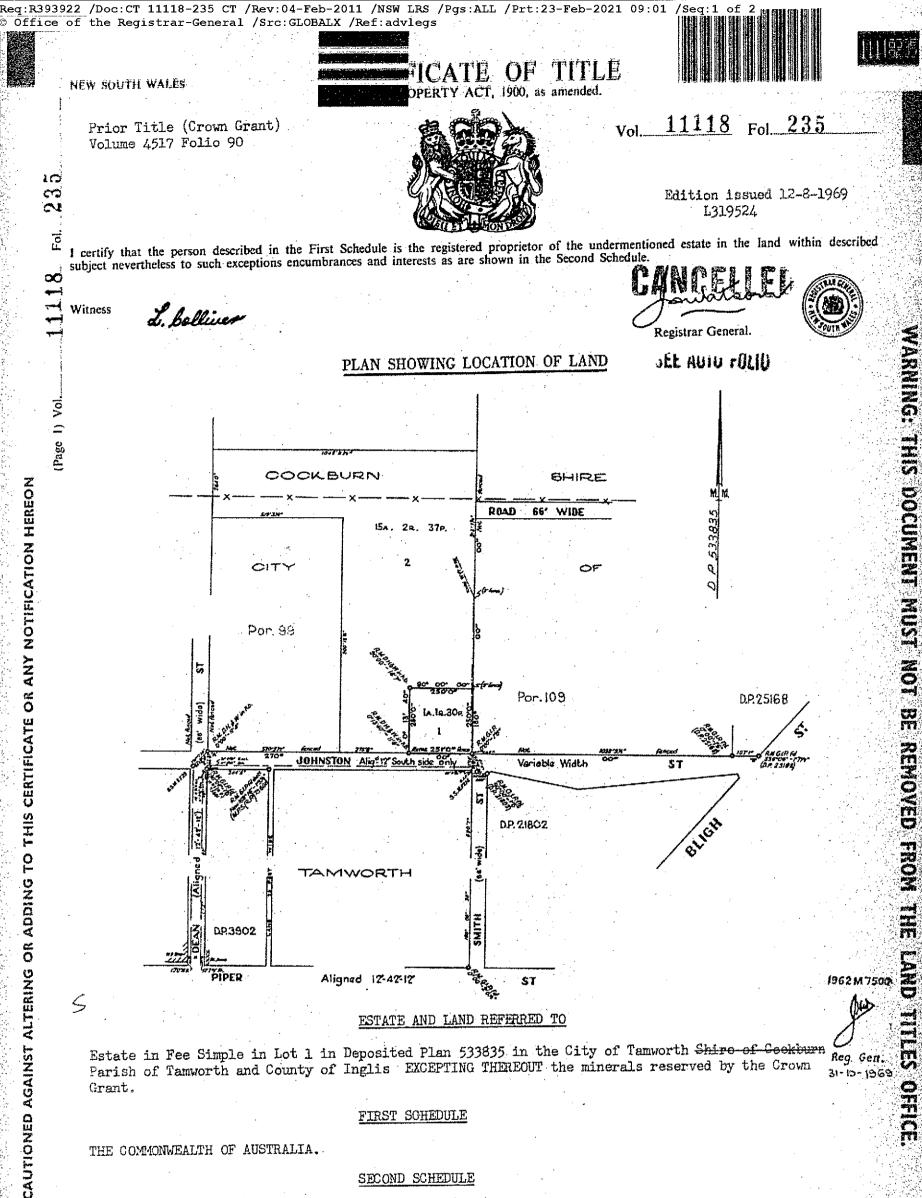
 ACTIVITY PRIOR TO SEPTEMBER 2002 you must refer to the RGs Charting and Reference Maps.

Req:R393923 /Doc:CT 11100-035 CT /Rev:04-Feb-2011 /NSW LRS /Pgs:ALL /Prt:23-Feb-2021 09:01 /Seq © Office of the Registrar-General /Src:GLOBALX /Ref:advlegs OF NEW SOUTH WALES 1900, as amended. ACL 11100 35 Fol. Prior Title (Crown Grant) Vol. Volume 4517 Folio 90 Edition issued 22-7-1969 Fol I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule L. balliver Witness Registrar General. WARNING: THIS DOCUMENT MUST SEE AUTO FOLIO PLAN SHOWING LOCATION OF LAND (Page 1) Vol. ISTI'NK AGAINST ALTERING OR ADDING TO THIS CERTIFICATE OR ANY NOTIFICATION HEREON COCKBURN SHIRE ROAD 66 WIDE 533835 15A. 24. 37P. 2 CITY OF Por: 99 NOT **7** 2500 Por. 109 D.P.25168 la le 30a REMOVED FROM 1714 JOHNSTON Alig 17 Se Variable Width ST BILEH DP. 21802 12.42 TAMWORTH DR3902 LAND SNI PIPER Aligned 12-42-12 \$T TITLES ESTATE AND LAND REFERRED TO OFFICE Estate in Fee Simple in Lot 2 in Deposited Plan 533835 in the City of Tamworth and Shire of EXCEPTING THEREOUT the minerals reserved Cockburn Parish of Tamworth and County of Inglis. S AUTIONED by the Crown Grants. 1969MG414 FIRST SCHEDULE THE TAMWORTH BASE HOSPITAL TAMWORTH DISTRICT HOSPITAL THE-HEG.GEN ARE SECOND SCHEDULE 7-1-1970 CRM PERSONS 1. Reservations and conditions, if any, contained in the Crown Grant above referred to. Registrar General.

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED.

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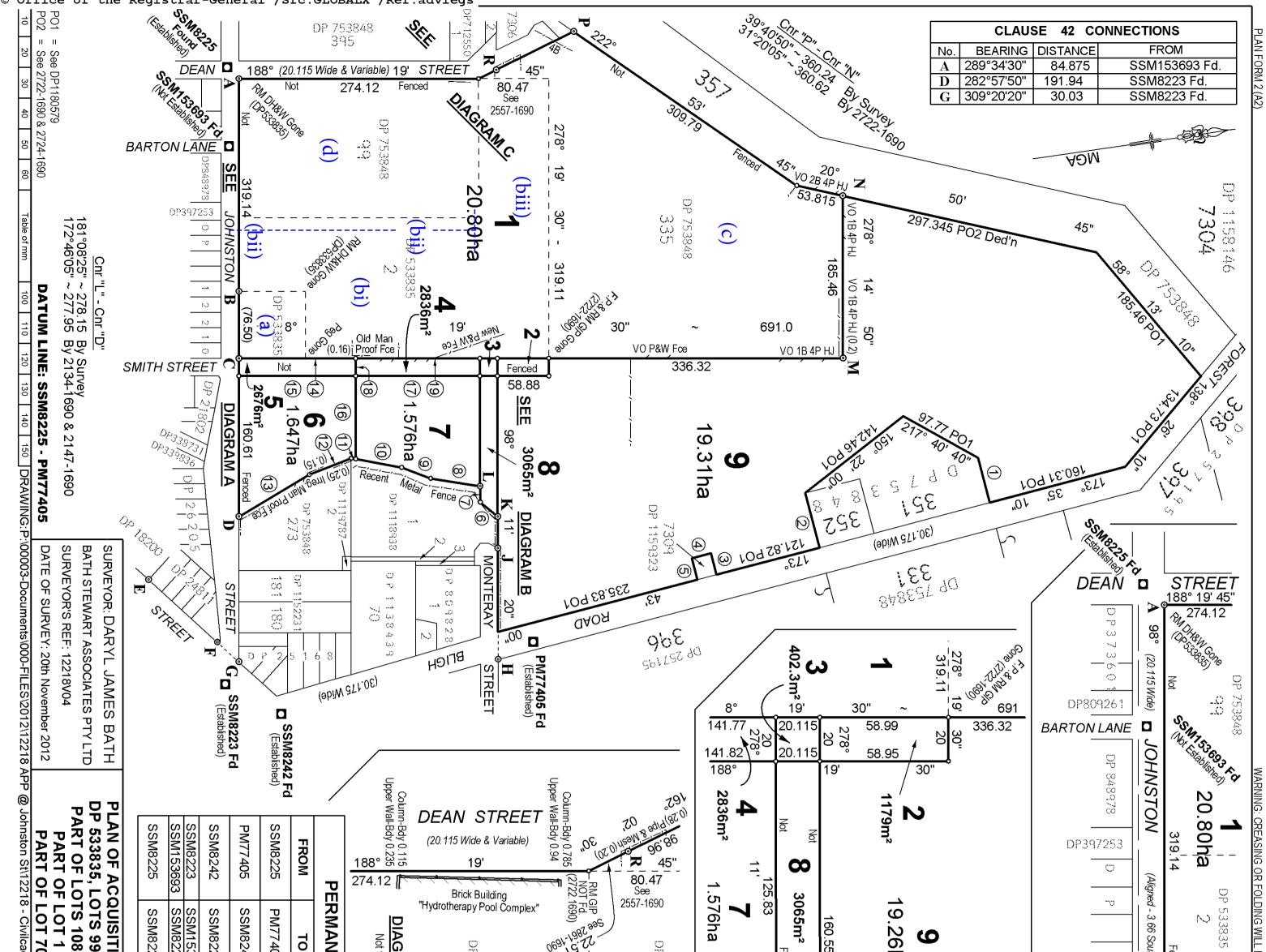
Registrar General

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED.

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| DP 7538 DP 7538 DP7538 5412, & | | - 607 | | "38'11"" "38'02" | °14'51" - | CONNECT | CONNEC | | 98,00 | | | 12 167°07'20" 13 157°37'30" | | | 7 278°11'20" 8 197°11'20" | 5 83°43' 6 227°32' | | 1 263°43'10" 2 83°43'10" | NUMBER BEARII | | Meta | | | | 11' 🕹 | Not to | חואפ | | SM |) ITH S | | | (76.50) (0.00 & M (0.10 (0.06) (0.00) | 9) Pipe Vlesh Fce 95) Conc Kt. Wall |
| LGA: TAMWORTH I LOCALITY: NORTH TAI SUBDIVISION NO: LENGTHS ARE IN METRES REDUCTION RATIO 1:3500 | By Survey By Survey By MGA Ground | By Survey | By Survey | By Survey By MGA Ground | By Survey By MGA Ground | TION | TIONS | | 20'30'' 20 20'30'' 20 | | | 20" 51.34 30" 93.81 | | | | | | 10" 52.82 PO1 10" 64.37 PO1 | | | 0 0 0 | | | | | Not to Scale | | | | Do | ⁰ ^p ² ¹ ⁸ ⁰ ² | (Variable Width) | | 0) Conc. Rt. Wall |
| TAMWORTH | SOURCE: M.G.A. CO-OF | PM77405 | SSM153693 | SSM8225 | SSM8223 | MARK | | SURVE | R | P Z | | | | | ++ | -+ | ⊥ 73 | | B | A . | | DP 8098 | RAY (20.115 Wide & | _/ 95.54// | 20 | | | | | | 38737 9836 0 | | 160.61 Fenced | |
| Registered: | COMBINED SCA | 302 551.416 | 7 | 307 839.912 | 302 541.660 | EASTING | M.G.A. CO-O | YING & S | | 54 <u>-</u> | | 1 <u>2</u> 5 5 | | 20 ⁻ | 1 [°] 22 U.435 14° 29' 0.495 | 3 <u>6</u> 6 | <u> </u> | 20" | | 52° 38' 25.43 | 101 | 28 | Variable) | 4P (1.7) 278°11'20" | 109 EE | 2392 173° A 173° A 173° A | | Q | | | 2 6 2 0 | TRE | D (0.16) Face of F | UBJ DP 753848 |
| | D SCALE FACTOR: 1.000012 ADOPTED FROM S.C.I.M.S. | 6 560 452.128 | 6 560 183.641 | 6 560 196.636 6 560 154 064 | | G | CO-ORDINATES | PATIAL INFORMATION REGULATION | R.M. | R.M. | | R.M. | R.M. | R.M. | R.M. | | ייש | | | R.M. | ନି ନ | | STREET | H | - | | PM77405 Fd (Established) | | 50. | | × 0 × 0 × 0 × 0 × 0 × 0 × 0 × 0 | | -ence 30" | 8 DP 1152 |
| P118, | 00012 .M.S. AT 17.10.2012 | A - | | | >\C \ ω\ | | | REGULATION 2 | Fd | 리급 | IPE Fd. (DF 1110930) IPE Fd. (2722-1690) | ׅׅׅׅׅׅׅׅׅׅׅׅׅׅ֬֬֬֬֬֬֬֬֬֬֬֬֬֬֬֬֬֬֬֬֬֬֬ | DH&W Fd. By Survey DH&W Fd. (DP 1118938) | G.I.PIPE Fd. (2596-1690) DH&W Fd. (DP 1118938) | IPE Fd. 0.45 DEEP | Leaning | A. G.I.PIPE | W in TK 10 533835) | W Fd. By Survey W Fd. By Survey | 8225 Fd. (DP 533) | | | | | | | | | | ICI, | (30,775 M | Ch 13 23 25 | 08 | N) (L) |
| 1268 | 112 | | | Fd. SCIMS | | METTS ORIG | | 2012 | 11) | 90) | | | 38) | 90) 38) | Y EP (DP 25168) | (DP 24811) | | | | 835) | MARKS | | | | | | | | DIAGRAM A Not to Scale | | | C SSM8223 Fd (Established) | \sim | |

Req:R393921 /Doc:DP 1181268 P /Rev:18-Jan-2013 /NSW LRS /Pgs:ALL /Prt:23-Feb-2021 09:01 /Seq:2 of 3 © Office of the Registrar-General /Src:GLOBALX /Ref:advlegs 38

| PLAN FORM 6 (2012) WARNING: Creasing or fe | olding will lea | ad to rejectio | n | ePlan | | | |
|--|---|-----------------------|---|-------------------|-------------------------|--|--|
| DEPOSITED PLAN AD | MINISTRA | ATION SHI | E ET S | heet 1 of 2 | Sheet(s) | | |
| Office Use Only Registered: 15.1.2013 | | | | | e Use Only | | |
| Title System: TORRENS | | DP1 | 181 | 268 | | | |
| Purpose: ACQUISITION | | | | | | | |
| PLAN OF ACQUISITION OF LOTS 1 & 2 IN DP533835, LOTS 99 & 335 IN DP753848, PART OF LOTS 108 & 109 IN DP753848, PART LOT 1 IN DP1175412, & PART OF LOT 7008 IN DP1076546 | | Iorth Tamw amworth | H REGIO | NAL | | | |
| Crown Lands NSW/Western Lands Office Approval | | Su | rvey Certific | ate | | | |
| I, (Authorised Officer) in | I, DARYI | L JAMES B | BATH | | | | |
| approving this plan certify that all necessary approvals in regard to the allocation of the land shown herein have been given. | of BATH, | STEWART A | ASSOCIATE | CS Pty Ltd | | | |
| Signature: | PO Box 4 | 03, Tamworth | NSW 2340 (Te | el: 02 6766-596 | 6) | | |
| Date: | a surveyor re 2002, certify f | | the Surveying | and Spatial Inf | ormation Act | | |
| File Number: | Surveying | g and Spatial II | l an was survey n<i>formation Reg</i> npleted on | ulation 2012, is | s accurate | | |
| Subdivision Certificate I, *Authorised Person/*General Manager/*Accredited Certifier, certify that the provisions of s.109J of the <i>Environmental Planning and</i> | *(b) The part of the land shown in the plan excluding part of Lot 9 was surveyed in accordance with the Surveying and Spatial Information Regulation 2012, is accurate and the survey was completed on, 20th November 2012. The part not surveyed was compiled in accordance with that Regulation. | | | | | | |
| Assessment Act 1979 have been satisfied in relation to the proposed subdivision, new road or reserve set out herein. | | | olan was compi | | ice with the | | |
| Signature: | Signature: | A | TS- | Dated: ' | 22.11.2012 | | |
| Accreditation number: | - | -/ / | | Daleu. A | 64.11.4014 | | |
| Consent Authority: TAMWORTH REGIONAL COUNCIL | Surveyor ID: | | 3447740E | | | | |
| Date of endorsement: | | SSM8225 – I | °W1/7400 | | | | |
| Subdivision Certificate number: | Type: Urban | | iting / *Steep-M | lountainoua | | | |
| *Strike through if inapplicable. | *Strike through | n if inapplicable. | ASpecify the land ASpecify the land hat is not the sub | d actually survey | | | |
| Statements of intention to dedicate public roads, public reserves and | Plans used in | the preparation | on of survey/cor | npilation. | | | |
| drainage reserves. | DP12210 | DP533835 | DP1152231 | 2861-1690 | 46-1393 | | |
| IT IS INTENDED TO ACQUIRE LOTS 1 TO 5, INCLUSIVE, | DP21802 | DP602489 | DP1175412 | 2134-1690 | | | |
| FOR THE PURPOSES OF THE HEALTH ADMINISTRATION ACT 1982, AS REFERRED TO BY NOTICE IN THE NSW | DP24811 | DP712550 | DP1180579 | 2722-1690 | | | |
| GOVERNMENT GAZETTE No. 130 FOLIO 5244 DATED | DP25168 | DP809828 | 1793-1690 | 2724-1690 | | | |
| 21.12.2012. | DP26205 | DP1076546 | 2147-1690 | 2596-1690 | | | |
| | DP48401 | DP1099608 | 2149-1690 | 2796-1690 | | | |
| | DP257195 | DP1118938 | 2557-1690 | 43-1393 | | | |
| | If s | pace is insuffic | cient continue o | n PLAN FORM | 16A | | |
| Signatures, Seals and Section 88B Statements should appear on PLAN FORM 6A | | Reference: | | | | | |
| | • | | | | | | |

Req:R393921 /Doc:DP 1181268 P /Rev:18-Jan-2013 /NSW LRS /Pgs:ALL /Prt:23-Feb-2021 09:01 /Seq:3 of 3 © Office of the Registrar-General /Src:GLOBALX /Ref:advlegs 38

| PLAN FORM 6A (2012) | WARNING | : Creasing or foldi | ng will lead to rejection | ePlan | |
|---|------------------------------------|---------------------|---|---|--------------|
| | DEPOSITE | ED PLAN ADM | INISTRATION SHEE | T Sheet 2 of 2 | Sheet(s) |
| Registered: 🏟 1 | Ofi 5.1.2013 | fice Use Only | | | ce Use Only |
| PLAN OF ACQUISI DP533835, LOTS 99 OF LOTS 108 & 109 IN DP1175412, & PA | & 335 IN DP7538 IN DP753848, PA | 48, PART | is sheet is for the provision of A schedule of lots and add | Ŷ | as required: |
| DP1076546 Subdivision Certificate nun Date of Endorsement: | | • | Statements of intention to a accordance with section 88 Signatures and seals- see Any information which can 1 of the administration she | B Conveyancing Act 191 195D Conveyancing Act not fit in the appropriate p | 19 1919 |
| Lot | Street Number | Street Name | Street Type | Locality |] |
| 1 | NA | | Street | North Tamworth | - |
| 2 | NA | Johnston | Street | North Tamworth | 1 |

NA NA

Johnston

Johnston

NA

NA

Forest

NA

NA

Street

Street

NA

NA

Road

North Tamworth

If space is insufficient use additional annexure sheet

Surveyor's Reference: 12218V04

3

4

5

6

7

8

9

NA

NA

NA

NA

NA

NA

NA





SEARCH DATE 23/2/2021 9:03AM

FOLIO: 1/533835

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 11118 FOL 235

| Recorded | Number | Type of Instrument | C.T. Issue |
|------------|-----------|-----------------------------|-----------------------------------|
| 28/3/1988 | | TITLE AUTOMATION PROJECT | LOT RECORDED FOLIO NOT CREATED |
| 4/7/1988 | | CONVERTED TO COMPUTER FOLIO | FOLIO CREATED CT NOT ISSUED |
| 12/12/1995 | 0760325 | TRANSFER | EDITION 1 |
| 28/3/1996 | 0792878 | LEASE | EDITION 2 |
| 23/6/1998 | 5074693 | SURRENDER OF LEASE | EDITION 3 |
| 7/1/2013 | AH466802 | DEPARTMENTAL DEALING | |
| 15/1/2013 | DP1181268 | DEPOSITED PLAN | |
| 24/6/2013 | AH622164 | REQUEST | FOLIO CANCELLED |
| | | | |

*** END OF SEARCH ***

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SEARCH DATE 23/2/2021 9:03AM

FOLIO: 1/1181268

| | | VOL 5159 FOL 106 VOL 4517 FOL 90 1-2/533835 335/753848 | | | 93 |
|-----------|-----------|---|----------|---|-----------------------------------|
| Recorded | Number | Type of Instrument | | | C.T. Issue |
| 15/1/2013 | DP1181268 | DEPOSITED PLAN | | | LOT RECORDED FOLIO NOT CREATED |
| 24/6/2013 | AH827345 | DEPARTMENTAL DEALI | NG | | FOLIO CREATED EDITION 1 |
| 23/4/2014 | DP1195542 | DEPOSITED PLAN | | | |
| 20/5/2015 | AJ356883 | TRANSFER GRANTING | EASEMENT | I | EDITION 2 |
| 23/5/2017 | AM412160 | LEASE | | | EDITION 3 |
| 19/7/2018 | AN471831 | APPLICATION FOR RE ACTION AFFECTING C | | - | |
| 4/8/2020 | AQ294846 | DEPARTMENTAL DEALI | NG | | |
| | * * * | END OF SEARCH *** | | | |

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SEARCH DATE 23/2/2021 9:03AM

FOLIO: 2/533835

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 11100 FOL 35

| Recorded | Number | Type of Instrument | C.T. Issue |
|-----------|-----------|-----------------------------|-----------------------------------|
| 28/3/1988 | | TITLE AUTOMATION PROJECT | LOT RECORDED FOLIO NOT CREATED |
| 30/6/1988 | | CONVERTED TO COMPUTER FOLIO | FOLIO CREATED CT NOT ISSUED |
| 10/5/1989 | Y342683 | LEASE | EDITION 1 |
| 13/1/1998 | 3726462 | LEASE | EDITION 2 |
| 9/3/1998 | 3841863 | CHANGE OF NAME | EDITION 3 |
| 19/7/1999 | 5994173 | LEASE | EDITION 4 |
| 7/1/2013 | AH466802 | DEPARTMENTAL DEALING | |
| 15/1/2013 | DP1181268 | DEPOSITED PLAN | |
| 24/6/2013 | AH622164 | REQUEST | FOLIO CANCELLED |
| | | | |

*** END OF SEARCH ***

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SEARCH DATE 23/2/2021 9:03AM

FOLIO: 99/753848

First Title(s): SEE PRIOR TITLE(S) Prior Title(s): VOL 601 FOL 193

| Recorded | Number | Type of Instrument | C.T. Issue |
|-----------|-----------|---|-----------------------------------|
| 15/2/1989 | | TITLE AUTOMATION PROJECT | LOT RECORDED FOLIO NOT CREATED |
| 29/1/1991 | | CONVERTED TO COMPUTER FOLIO | FOLIO CREATED CT NOT ISSUED |
| 2/5/1991 | | AMENDMENT: TITLE DIAGRAM | |
| 2/12/1997 | 3630592 | APPLICATION FOR REPLACEMENT CERTIFICATE OF TITLE | EDITION 1 |
| 13/1/1998 | 3726462 | LEASE | EDITION 2 |
| 9/3/1998 | 3841863 | CHANGE OF NAME | EDITION 3 |
| 19/7/1999 | 5994173 | LEASE | EDITION 4 |
| 8/1/2001 | 7324434 | DEPARTMENTAL DEALING | |
| 7/1/2013 | AH466802 | DEPARTMENTAL DEALING | |
| 15/1/2013 | DP1181268 | DEPOSITED PLAN | |
| 24/6/2013 | AH622164 | REQUEST | FOLIO CANCELLED |
| | | | |

*** END OF SEARCH ***

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SEARCH DATE 23/2/2021 9:03AM

FOLIO: 335/753848

First Title(s): SEE PRIOR TITLE(S) Prior Title(s): VOL 5159 FOL 106

| Recorded | Number | Type of Instrument | C.T. Issue |
|-----------|-----------|-----------------------------|-----------------------------------|
| 21/2/1989 | | TITLE AUTOMATION PROJECT | LOT RECORDED FOLIO NOT CREATED |
| 28/6/1989 | | CONVERTED TO COMPUTER FOLIO | FOLIO CREATED CT NOT ISSUED |
| 2/5/1991 | | AMENDMENT: TITLE DIAGRAM | |
| 7/1/2013 | AH466802 | DEPARTMENTAL DEALING | |
| 15/1/2013 | DP1181268 | DEPOSITED PLAN | |
| 24/6/2013 | AH622164 | REQUEST | FOLIO CANCELLED |
| | * * * | END OF SEARCH *** | |

advlegs

PRINTED ON 23/2/2021





FOLIO: 1/1181268

| SEARCH DATE | TIME | EDITION NO | DATE |
|-------------|---------|------------|-----------|
| | | | |
| 23/2/2021 | 9:03 AM | 3 | 23/5/2017 |

LAND

LOT 1 IN DEPOSITED PLAN 1181268 AT NORTH TAMWORTH LOCAL GOVERNMENT AREA TAMWORTH REGIONAL PARISH OF TAMWORTH COUNTY OF INGLIS TITLE DIAGRAM DP1181268

FIRST SCHEDULE

HEALTH ADMINISTRATION CORPORATION

SECOND SCHEDULE (3 NOTIFICATIONS)

- 1 LAND EXCLUDES MINERALS OF THE PART(S) FORMERLY IN LOT 355 IN DP753848, LOT 1 IN DP533835 & LOT 2 IN DP533835
- 2 AJ356883 EASEMENT FOR UNDERGROUND POWER LINES 2 WIDE AFFECTING THE PART SHOWN AS "PROPOSED EASEMENT FOR UNDERGROUND POWER LINES 2 WIDE" IN DP1195542.
- 3 AM412160 LEASE TO HS CATERER PTY LTD OF SHOP 1. CAFE SHOP 2 & CANCER CLINIC SHOP 3, 31 DEAN STREET, TAMWORTH. EXPIRES: 31/5/2021. OPTION OF RENEWAL: 5 YEARS.

NOTATIONS

NOTE: THIS FOLIO MAY BE ASSOCIATED WITH A CROWN TENURE WHICH IS SUBJECT TO PAYMENT OF AN ANNUAL RENT. FOR FURTHER DETAILS CONTACT CROWN LANDS.

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

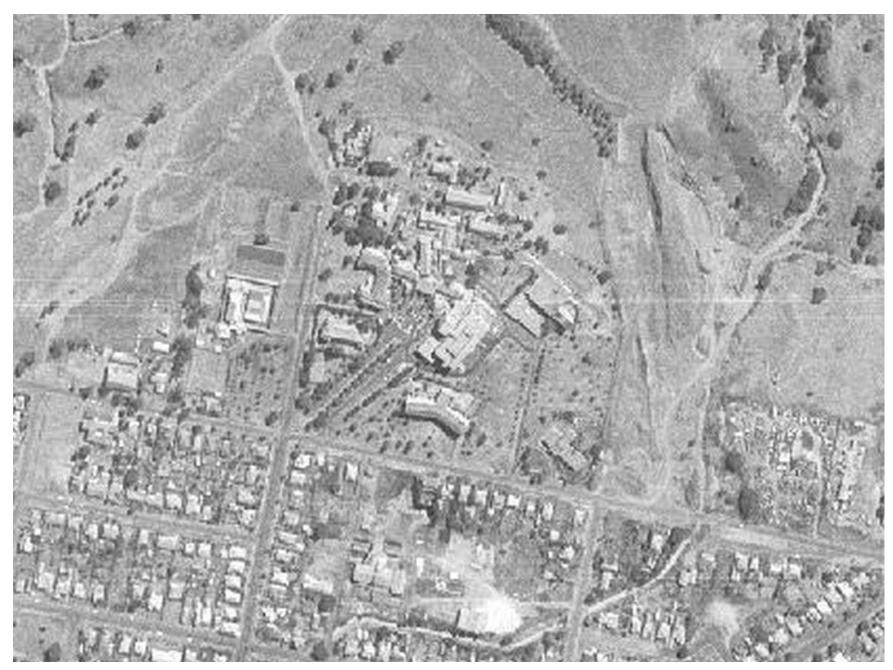
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Google Earth 2013

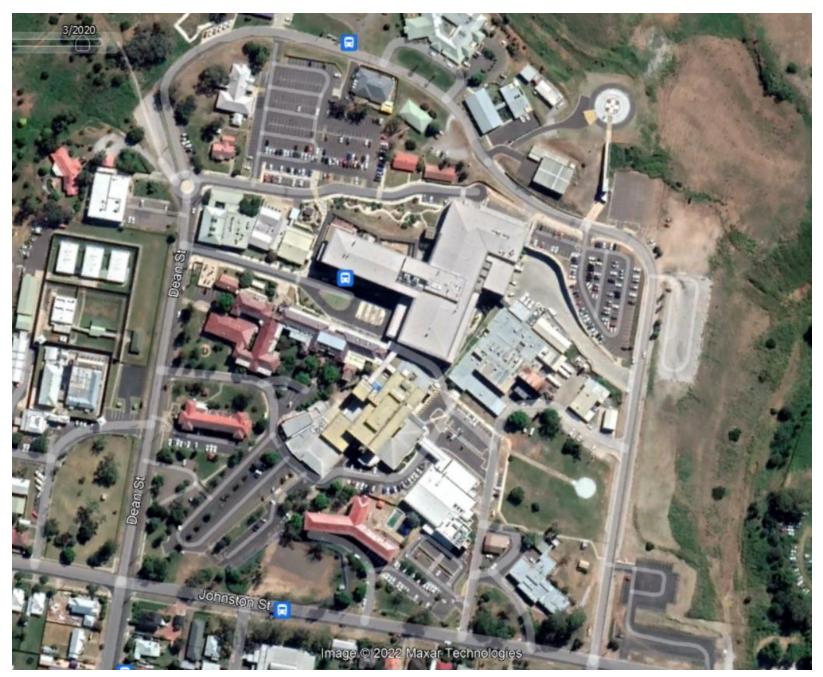


Google Earth 2015













Appendix B

Results of Field Investigations

Regional Geotechnical Solutions RGS32576.1-AR 19 October 2022

| | | | | E | INGI | NEE | RING LOG - TEST PIT | | | т | EST | | 10: TP-N1 |
|---------------|-----------------|-------------------------------|------------------------|-----------------|----------------|--------------------------|---|-----------|-----------------------|------------------------|----------------|----------------------|--|
| | | REGIONA GEOTEC | | LC | LIENT | : | RP Infrastructure | | | P | AGE | ≣: | 1 of 1 |
| ź | | SOLUTIO | | | ROJE | CT NA | ME: Proposed Ongrade Parks | | | J | OB | NO: | RGS32576.1 |
| | | | | S | ITE LO | CATI | DN: Tamworth Hospital | | | L | OG | GED E | SY: LD |
| | | | | т | EST L | OCAT | ON: North Site | | | C | ATE | | 28/9/22 |
| FOI | IIPN | | F· | 5T Ex | cavato | r | EASTING: | 301927 | 7 m 9 | SURF | | RI · | |
| | | | | 0.3 m | | IDTH: | 2.0 m NORTHING: | | | DATU | | | AHD |
| E | Exca | ation and S | ampling | | | 1 | Material description and profile information | | | | Fiel | d Test | |
| METHOD | WATER | SAMPLES | RL (Not measured | DEPTH (m) | GRAPHIC LOG | CLASSIFICATION SYMBOL | MATERIAL DESCRIPTION: Soil type, plasticit characteristics,colour,minor componer | | MOISTURE CONDITION | CONSISTENCY DENSITY | Test Type | Result | Structure and additional observations |
| ш | Not Encountered | 0.05m ES | | - | | CI | FILL: Gravelly CLAY, medium plasticity, br grained, with rootlets | own, fine | | | (0.00-1.30m) | 3 | FILL |
| | unoou | ез 0.10m | | - | X | сн | FILL: Silty CLAY, medium to high plasticity | | Å | St | .00-1 | <u> </u> | - |
| | ot Er | | | 0.2 | \mathbb{X} | × | grey-brown, fine to medium grained, angul | ar gravel | ^ E | | DCP (0 | 3 | |
| | z | | | - | \bigotimes | | | | | | B | 2 | |
| | | | | - | \bowtie | | | | | | | - | |
| | | | | 0.4 | \bigotimes | > | | | | | | 3 | |
| | | | | 0.4 | \bigotimes | | | | | | | | 1 |
| | | | | - | | > > | | | | | | 5 | |
| | | | | 0.6 | | | <u>0.60m</u> | | | | | 5 | |
| | | | | - | \bigotimes | CI | FILL: Gravelly CLAY, medium plasticity, re fine to coarse grained gravel, with rounded | | | | | 2 | |
| | | | | - | \bigotimes | × | up to 150mm | | | | | | |
| | | 0.80m | | 0.8 | \mathbb{X} | | 0.80m | | | | | 2 | |
| | | ES | | - | | СІ | CLAY: Medium plasticity, pale brown, with gravel, fine to medium grained, angular | some | <pre></pre> | VSt - H | | 2 | |
| | | 0.90m | | - | <u> </u> | | gratol, into to modiam grantoa, angalar | | ž | | | | - |
| | | | | 1.0 | <u> </u> - | | | | | | | 3 | |
| | | | | 1.0 | | | | | | | | | |
| | | | | - | | | | | | | | 4 | |
| | | | | - | E | | | | | | | 7 | |
| | | | | 1.2 | <u></u> | | | | | | | | |
| | | | | - | <u> </u> | | 1.30m | | | | | 14 | |
| | | | | - | | | Hole Terminated at 1.30 m | | | | | | |
| | | | | 1.4 |] | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | - | - | | | | | | | | |
| | | | | 1. <u>6</u> | 1 | | | | | | | | |
| | | | | - | - | | | | | | | | |
| | | | | - | | | | | | | | | |
| | | | | 4.0 | - | | | | | | | | |
| | | | | 1.8 | | | | | | | | | |
| | | | | - | - | | | | | | | | |
| | | | | - | 1 | | | | | | | | |
| LEGE | | | | Notes, Sa | mples a | nd Tee | s | Consiste | ency | | | CS (kPa | a) Moisture Condition |
| Wate | | | | | | | _ | VS V | /ery Sof | t | < | 25 | D Dry |
| ⊻ | | ter Level | hours | U₅₀ CBR | Bulk s | ample f | er tube sample or CBR testing | FF | Soft Firm | | 50 | 5 - 50 0 - 100 | M Moist W Wet |
| ► | , | te and time s ter Inflow | í í | E ASS | | | l sample oil Sample | | Stiff /ery Stiff | Ŧ | | 00 - 200 00 - 400 | P |
| _ | | ter Outflow | | В | | Sample | | н | Hard | | | 400 | |
| <u>Strata</u> | | <u>anges</u> radational or | | Field Tes | | | | Density | V | | ery Lo | oose | Density Index <15% |
| | tra | ansitional stra | | PID DCP(x-y) | | | n detector reading (ppm) etrometer test (test depth interval shown) | | L ME | | oose lediur | n Dense | Density Index 15 - 35% e Density Index 35 - 65% |
| | | Surve of di | | HP , | | | meter test (UCS kPa) | 1 | D | | ense | | Density Index 65 - 85% |
| <u>Strata</u> | G | | ata | PID DCP(x-y) | Photo Dynar | nic pen | etrometer test (test depth interval shown) | | L M | L D N | oose lediur | n Dense | Density Index 15 - 35% Density Index 35 - 65% |

| | | | | | ENGI | NEE | RING LOG - TEST PIT | | | т | EST | PIT N | IO: TP-N2 |
|--------|-----------------|----------------------------------|-----------------------|------------------|-----------------------------|--------------------------|--|----------------|-----------------------|------------------------|----------------|---------------------|--|
| | | REGION/ GEOTEC | | AL | CLIENT | : | RP Infrastructure | | | Ρ | AGE | : | 1 of 1 |
| 2 | | SOLUTIO | | | PROJE | CT NA | ME: Proposed Ongrade Parks | | | J | OB | NO: | RGS32576.1 |
| | | | | ; | SITE LO | DCATI | ON: Tamworth Hospital | | | L | OGO | GED B | Y: LD |
| | | | | - | TEST L | OCAT | ON: North Site | | | D | ATE | | 28/9/22 |
| | | IENT TYP | | 5T Ex | cavato | | EASTING: | 301904 | | SURF | | RL: | |
| | - | IT LENGT | | 0.3 m | N W | IDTH: | 2.0 m NORTHING: | 6560535 | 5m I | DATU | 1 | | AHD |
| | Exca | ation and S | Samplir | ng | | 7 | Material description and profile information | | 1 | I | Fiel | d Test | |
| METHOD | WATER | SAMPLES | RL (Not measure | DEPTI (m) | GRAPHIC LOG | CLASSIFICATION SYMBOL | MATERIAL DESCRIPTION: Soil type, plasticit characteristics,colour,minor component | | MOISTURE CONDITION | CONSISTENCY DENSITY | Test Type | Result | Structure and additional observations |
| Ш | Not Encountered | | | | | CI | FILL: Sandy CLAY, medium plasticity, brow to medium grained, with some gravel, fine t 0.10m grained, with rootlets | | | | | | FILL |
| | Icour | | | | -XX | СН | FILL: Silty CLAY, medium to high plasticity, | | × × | St - | | | |
| | ot Er | 0.20m | | 0.2 | | X | pale brown, grey, some gravel, fine to medi grained, angular | ium | ^ ع | VSt | | | |
| | z | | | | -888 | | | | | | | | |
| | | | | | \mathbb{X} | Å | | | | | | | HP=230kPa |
| | | | | 0.4 | | k | | | | | | | |
| | | В | | | \mathbb{X} | k | | | | | | | HP=250kPa |
| | | | | | + | | | | | | | | |
| | | 0.00 | | | 1000 | × | | | | | | | |
| | | 0.60m | - | 0.6 | ' | | | | | | | | |
| | | | | | \mathbb{X} | > | | | | | | | |
| | | | | | | × | | | | | | | |
| | | | | 0.8 | \mathbb{R} | × | | | | | | | |
| | | | | | XX | × | | | | | | | |
| | | | | | \gg | | | | | | | | |
| | | | | 1.0 | | × | 1.00m | | | | | | |
| | | | | | - <u></u> | CI | Silty CLAY: Medium plasticity, red-brown | | × × | VSt - H | | | |
| | | | | | | | | | ž | | | | |
| | | | | 1.2 | | | | | | | | | |
| | | | | 1.2 | | | | | | | | | HP=300kPa |
| | | | | | | | | | | | | | |
| | | | | | <u> ×</u> _∞ | | | | | | | | |
| | | | | 1.4 | · [| | 1.40m Hole Terminated at 1.40 m | | | | - | | HP=450kPa |
| | | | | | 1 | | | | | | | | |
| | | | | | - | | | | | | | | |
| | | | | 1.6 | 5 | | | | | | | | |
| | | | | | - | | | | | | | | |
| | | | | |] | | | | | | | | |
| | | | | 1.8 | - | | | | | | | | |
| | | | | |] | | | | | | | | |
| | | | | | 1 | | | | | | | | |
| | | | | | - | | | | | | | | |
| | END: | 1 | <u> </u> | Notes, S | amples a | nd Tes | <u>s</u> | Consiste | | | | L CS (kPa 25 | |
| Wat | _ | ter Level | | U ₅₀ | | | ter tube sample | S S | /ery Soft Soft | L | 25 | 25 5 - 50 | M Moist |
| ÷ | | te and time s | hown) | CBR E | | | or CBR testing Il sample | 1 | Firm Stiff | | | 0 - 100 00 - 200 | W Wet W _p Plastic Limit |
| | | ter Inflow ter Outflow | | ASS B | Acid S | | Soil Sample | VSt \ | /ery Stiff Iard | F | 20 | 00 - 400 400 | F Contraction of the second se |
| | | anges | | | | Sample | | Fb F | riable | | | | |
| | | radational or ansitional stra | | Field Tea PID | Photo | oionisatio | on detector reading (ppm) | <u>Density</u> | V L | L | ery Lo bose | oose | Density Index <15% Density Index 15 - 35% |
| | D | efinitive or di | | DCP(x-y) HP | | | etrometer test (test depth interval shown) meter test (UCS kPa) | | ME D | | lediur ense | n Dense | Density Index 35 - 65% Density Index 65 - 85% |
| | S | trata change | | | | 554 | (| | VE | | ery D | | Density Index 85 - 100% |

| | | | | | ENGI | NEE | RING LOG - TEST PIT | | | т | EST | PIT N | io: TP-N3 |
|--------|---|---|-----------------------|--|--|---|--|------------------------------------|--|------------------------|--------------------------------------|--|---|
| | | REGION/ GEOTEC | | AL | CLIENT | : | RP Infrastructure | | | Ρ | AGE | : | 1 of 1 |
| - | | SOLUTIO | ONS | | PROJE | CT NA | ME: Proposed Ongrade Parks | | | J | ОΒΙ | NO: | RGS32576.1 |
| | | | | : | SITE LO | CATI | ON: Tamworth Hospital | | | L | OGC | GED B | Y: LD |
| | | | | • | TEST L | OCAT | ION: North Site | | | D | ATE | | 28/9/22 |
| | | IENT TYP | | | kcavato | | EASTING: | 301902 | | SURF | | RL: | |
| | | IT LENGT | | 0.3 m | 1 W | IDTH: | 2.0 m NORTHING: | 6560542 | m l | DATU | 1 | | AHD |
| | Exca | vation and S | Samplir | ig | | z | Material description and profile information | | | | Fiel | d Test | |
| METHOD | WATER | SAMPLES | RL (Not measure | DEPTI (m) | GRAPHIC LOG | CLASSIFICATION SYMBOL | MATERIAL DESCRIPTION: Soil type, plasticit characteristics,colour,minor componen | | MOISTURE CONDITION | CONSISTENCY DENSITY | Test Type | Result | Structure and additional observations |
| Ш | Encountered | 0.10m | - | | - | CI | TOPSOIL: Gravelly CLAY, medium plastic brown, fine grained, angular gravel, with sc | | | | | | TOPSOIL |
| | Not Er | ES 0.20m | | 0.2 | | | <u>0.20m</u> | | | | | | |
| | 2 | 0.30m | _ | 0.4 | | CI | Silty CLAY: Medium plasticity, brown, with gravel, fine to medium grained, angular | some | M > w _P | St | | | COLLUVIUM HP=200kPa |
| | | В | | | | - | | | | | | | HP=150kPa |
| | | 0.60m | - | 0.6 0.8 | | - | | | | | | | |
| | | 0.90m ES 1.00m | | 1.0 | | CI | 0.90m Gravelly CLAY: Medium plasticity, red-bro to medium grained, angular gravel | wn, fine | M < W | VSt | - | | |
| | | 1.0011 | | | | - | | | 2 | | | | HP=350kPa |
| | | | | 1.2 | 2 | | 1.20m Hole Terminated at 1.20 m | | | | - | | |
| | | | | 1. <u>4</u> 1. <u>6</u> 1. <u>8</u> | | | | | | | | | |
| | SEND: | 1 | | Notes, S | amples a | nd Tes | <u>s</u> | Consiste | | | _ | CS (kPa | |
| | Wa (Da - Wa I Wa I Wa | ter Level te and time s ter Inflow ter Outflow <u>anges</u> iradational or | | U₅₀ CBR E ASS B <u>Field Te</u> | Bulk s Enviro Acid s Bulk s <u>sts</u> | ample f onmenta Sulfate S Sample | ter tube sample or CBR testing Il sample ioil Sample | S S F F St S VSt V H F | 'ery Soff oft irm tiff 'ery Stiff lard riable V | V | 25 50 10 20 >2 ery Lo | 25 5 - 50 0 - 100 00 - 200 00 - 400 400 | W _L Liquid Limit Density Index <15% |
| | tr D | ansitional stra efinitive or di trata change | ata | PID DCP(x-y HP |) Dynar | nic pen | n detector reading (ppm) etrometer test (test depth interval shown) meter test (UCS kPa) | | L MI D VD | D M D | oose lediun ense ery D | n Dense ense | Density Index 15 - 35% Density Index 35 - 65% Density Index 65 - 85% Density Index 85 - 100% |

| | - | | | E | NGI | NEE | RING LOG - BOREHOLE | | | В | ORE | HOLE | E NO: BH-N4 |
|----------|--------|----------------------------------|-------------------------|-----------------|----------------|--------------------------|---|--------------|-----------------------|------------------------|----------------|-----------------------------|--|
| | | REGION/ GEOTEC | | с | LIENT | : | RP Infrastructure | | | Ρ | AGE | | 1 of 1 |
| _ | | SOLUTIO | | | ROJE | CT NA | ME: Proposed Ongrade Parks | | | J | OB | NO: | RGS32576.1 |
| | | | | S | ITE LC | CATI | DN: Tamworth Hospital | | | L | OGG | SED B | Y: LD |
| | | | | Т | EST LO | OCAT | ON: North Site | | | D | ATE | : | 28/9/22 |
| | | YPE: OLE DIAN | Hand A | - | nm | IN | Easting: Clination: 90° Northing: | 30190 | | SURF | | RL: | AHD |
| | | ing and Sar | | 100 11 | | | Material description and profile information | 000002 | | | 1 | d Test | |
| | | | | | | Z | | | | ~ | | | |
| METHOD | WATER | SAMPLES | RL (Not measured) | DEPTH (m) | GRAPHIC LOG | CLASSIFICATION SYMBOL | MATERIAL DESCRIPTION: Soil type, plasticity characteristics,colour,minor component | | MOISTURE CONDITION | CONSISTENCY DENSITY | Test Type | Result | Structure and additional observations |
| HA | | | | - | | CI | FILL: Gravelly CLAY, medium plasticity, da | rk brown | _ × _ | St | (0.00-1.40m) | 2 | FILL |
| | | | | - | \bigotimes | * | | | Σ | | .00-1 | | |
| | | | | 0.2 | \bigotimes | | | | | | DCP (0 | 2 | |
| | | | | - | \bigotimes | | | | | | ă | 2 | |
| | | | | - | | CI | 0.30m Gravelly CLAY: Medium plasticity, pale bro to medium grained, angular gravel | wn, fine | | | | 2 | |
| | | | | 0.4_ | | | | | | | | | |
| | | | | - | | | | | | | | 2 | |
| | | | | - | | | | | | | | 3 | Increased moisture form 0.5m |
| | | | | 0. <u>6</u> | | | | | | VSt | | | |
| | - | | | - | | | | | | | | 7 | |
| | - | | | - | | | | | | | | 6 | |
| | | | | 0. <u>8</u> | | | | | | | | | |
| | | | | - | | | | | | | | 4 | |
| | | | | - _ 1.0 | | | 4.00- | | | | | 5 | |
| | | | | - 1.0 | | | Hole Terminated at 1.00 m | | | | | 4 | |
| | | | | - | | | | | | | | | |
| | | | | 1.2 | | | | | | | | 6 | |
| | | | | - | | | | | | | | 8 | |
| | | | | - | | | | | | | | 8 | |
| | | | | 1.4 | | | | | | | | 0 | |
| | | | | - | | | | | | | | | |
| | | | | - | | | | | | | | | |
| | | | | 1.6 | | | | | | | | | |
| | | | | - | | | | | | | | | |
| | | | | - | | | | | | | | | |
| | | | | 1.8 | | | | | | | | | |
| | | | | - | | | | | | | | | |
| | | | | - | | | | | | | | | |
| LEG | END: | | | lotes, Sa | mples a | nd Test | S | Consist | encv | | U | CS (kPa | a) Moisture Condition |
| Wat | er | | | U ₅₀ | | | ≖ er tube sample | VS | Very Soft Soft | | <2 | | D Dry M Moist |
| T | | er Level æ and time s | | USR E | Bulk s | ample f | or CBR testing I sample | F | Firm Stiff | | 50 |) - 100) - 200 | W Wet |
| | Wat | er Inflow er Outflow | A | L NSS B | Acid S | Sulfate S | oil Sample | VSt | Very Stiff | | 20 |)0 - 200)0 - 400 100 | |
| Stra | ta Cha | anges | | | | Sample | | Fb | Hard Friable | .,, | | | Donoity Index (45%) |
| | | radational or ansitional stra | ata | PID | Photoi | | n detector reading (ppm) | Density | L | Lo | ery Lo pose | | Density Index <15% Density Index 15 - 35% |
| | D | efinitive or di rata change | | DCP(x-y) HP | | | etrometer test (test depth interval shown) meter test (UCS kPa) | | ME D | | edium ense | n Dense | e Density Index 35 - 65% Density Index 65 - 85% |

| | | | | | ENGI | NEE | RING LOG - TEST PIT | | | т | EST | | o: TP-S1 |
|---|-----------------|-----------------------------------|-----------------------|-----------------|---------------------|--------------------------|--|------------|-----------------------|------------------------|--------------|---------------------|---------------------------------------|
| | | REGION/ GEOTEC | | | CLIENT | | RP Infrastructure | | | P | AGE | ≣: | 1 of 1 |
| 2 | | SOLUTIO | | | PROJE | CT NA | ME: Proposed Ongrade Parks | | | J | ОΒ | NO: | RGS32576.1 |
| | | | | | SITE LO | CATI | DN: Tamworth Hospital | | | L | OGO | GED B | Y: LD |
| | | | | | TEST L | OCAT | ON: South Site | | | C | ATE | | 28/9/22 |
| EQ | UIP | MENT TYP | E: | 5T E | xcavato | r | EASTING: | 301959 | 9 m 🗄 | SURF | ACE | RL: | |
| TE | ST P | IT LENGT | H: | 0.3 n | n W | IDTH: | 2.0 m NORTHING: | 6560228 | | DATU | | | AHD |
| | Exca | vation and S | Samplir | ng | | | Material description and profile information | | | | Fiel | d Test | |
| METHOD | WATER | SAMPLES | RL (Not measure | DEPT (m) | E GRAPHIC LOG | CLASSIFICATION SYMBOL | MATERIAL DESCRIPTION: Soil type, plasticit characteristics,colour,minor componen | | MOISTURE CONDITION | CONSISTENCY DENSITY | Test Type | Result | Structure and additional observations |
| ш | ered | 0.05m | | | | CI | FILL: Gravelly CLAY, medium plasticity, br to coarse grained gravel, angular, with som | | <pre>~ </pre> | | (mO | 2 | FILL |
| | Not Encountered | ES 0.10m | / | | | × | material including wire and concrete | lo loroign | ž | | (0.00-1.20m) | | |
| | t Enc | 0.20m | | 0. | , KX | > | | | | | 0.0) | 3 | |
| | Noi | 0.2011 | | 0. | | > | | | | | DCP | | |
| | | ES | | | | > | | | | | | 3 | |
| | | 0.35m | - | | | > | | | | | | 2 | |
| | | 0.40m | - | 0. | 4 | × | | | | | | | |
| | | | | | + | | | | | | | 3 | |
| | | В | | | | | | | | | | 4 | |
| | | | | 0. | ۹ | > | | | | | | | |
| | | 0.70m | | | | > | 0.70m | | | | | 9 | |
| | | ES | | | | С | Gravelly CLAY: Medium plasticity, pale bro to medium grained, angular gravel | own, fine |] | VSt | | 3 | |
| 0.00 | | 0.80m | - | 0. | <u>8, ~ ~</u> [| | 5,55 | | | | | | |
| בוני דע ב. טיט בעבבייטיטע דון. דע ב. טיט בעב דעריטי | | | | | | | | | | | | 4 | |
| 2002 | | | | | | | | | | | | | |
| 0.00. | | | | 1. | | | | | | | | 4 | HP=250kPa |
| 04.01 | | | | | | | | | | | | 5 | HF-200KFA |
| | | | | | | | | | | | | | |
| | | | | 1. | | | 1.20m | | | | | 7 | |
| | | | | | - | | Hole Terminated at 1.20 m | | | | | | |
| P | | | | | | | | | | | | | |
| | | | | 1. | 4 | | | | | | | | |
| | | | | | _ | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | 1. | 6 | | | | | | | | |
| n | | | | | - | | | | | | | | |
| | | | | | _ | | | | | | | | |
| | | | | 1. | | | | | | | | | |
| | | | | | <u> </u> | | | | | | | | |
| | | | | | - | | | | | | | | |
| | | | | | 1 | | | | | | | | |
| LEG | GEND: | : | | Notes, S | Samples a | nd Tes | <u>s</u> | Consiste | | <u> </u> | | CS (kPa | |
| Wat | | ter Level | | U ₅₀ | | | er tube sample | S S | √ery Sof Soft | I | 25 | 25 5 - 50 | D Dry M Moist |
| - | (Da | te and time s | hown) | CBR E | | | or CBR testing I sample | | −irm Stiff | | | 0 - 100 00 - 200 | W Wet W _p Plastic Limit |
| | | ter Inflow ter Outflow | | ASS B | Acid S | | oil Sample | VSt V | √ery Stifi ⊣ard | Ī | 20 | 00 - 400 400 | F |
| Stra | ata Ch | anges | | Field Te | | - si npio | | Fb I | Friable V | | ery Lo | | Density Index <15% |
| — – | tr | Gradational or ansitional stra | ata | PID | Photo | | n detector reading (ppm) | Density | L | L | oose | | Density Index 15 - 35% |
| | | efinitive or di trata change | stict | DCP(x-y HP | | | etrometer test (test depth interval shown) meter test (UCS kPa) | | MI D | D | ense | n Dense | Density Index 65 - 85% |
| 2 | - | 5- | | | | | | | VE |) V | ery D | ense | Density Index 85 - 100% |

| | | | | | ENG | NEE | RING LOG - TEST PIT | | | т | EST | | 10: TP-S2 |
|---------------------|-------------|---------------------------------|----------------------|-----------------|------------|--------------------------|---|----------|-----------------------|------------------------|----------------|-----------------------------|--|
| | | REGION/ GEOTEC | | AI | CLIEN | | RP Infrastructure | | | Р | AGE | ≣: | 1 of 1 |
| 2 | | SOLUTIO | | | PROJE | | ME: Proposed Ongrade Parks | | | J | OB | NO: | RGS32576.1 |
| | | | | | SITE L | OCATI | ON: Tamworth Hospital | | | L | OGO | GED B | SY: LD |
| | | | | | TEST I | OCAT | ON: South Site | | | D | ATE | | 28/9/22 |
| | | | | | Excavato | | EASTING: | 301943 | | | | RL: | |
| | | vation and S | | 0.3 | m v | VIDTH: | 2.0 m NORTHING: Material description and profile information | 6560219 | m | DATU | 1 | d Test | AHD |
| | LAGUY | | | .9 | | z | | | | ~ | | | |
| METHOD | WATER | SAMPLES | RL (Not measur | (m) | | CLASSIFICATION SYMBOL | MATERIAL DESCRIPTION: Soil type, plasticit characteristics,colour,minor componer | | MOISTURE CONDITION | CONSISTENCY DENSITY | Test Type | Result | Structure and additional observations |
| E | Encountered | | | | | CI | FILL: CLAY, medium plasticity, dark brown some fine to coarse grained gravel, with so foreign material including broken tiles, timb | ome | M < W | St - VSt | (0.00-1.10m) | 3 | FILL |
| | incou | | | | | 8 | wire | | | | 0.00- | 3 | |
| | Not E | 0.20m | - | 0 | .2 | 3 | | | | | DCP (| | HP=250kPa |
| | | ES | | | | 3 | | | | | | 3 | |
| | | 0.30m | 1 | | | X | | | | | | - | |
| | | | | 0 | .4 | 8 | | | | | | 5 | |
| | | | | | | X | | | | | | 4 | |
| | | | | | | | 0.50m Silty CLAY: Medium plasticity, pale brown | , with | 1 | VSt - | 1 | - | |
| | | | | 0 | .6 x | - | some gravel, fine to medium grained, angu | ılar | | Н | | 2 | |
| | | | | | | - | | | | | | 2 | |
| | | | | | | - | | | | | | | HP=300kPa |
| | | | | 0 | .8 | - | | | | | | 4 | |
| | | | | | | | | | | | | 6 | |
| | | | | | | | | | | | | | |
| | | | | 1 | .0 | | | | | | | 10 | |
| | | | | | <u> </u> | | | | | | | 12 | HP=>600kPa |
| | | | | | | | | | | | | | |
| | | | | 1 | .2 | - | 1.20m | | | | | | |
| LEG Watu Stra | | | | | - | | Hole Terminated at 1.20 m | | | | | | |
| | | | | | | | | | | | | | |
| | | | | 1 | .4 | | | | | | | | |
| | | | | | - | | | | | | | | |
| | | | | | - | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | .6 | | | | | | | | |
| | | | | | - | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | 1 | .8 | | | | | | | | |
| | | | | | + | | | | | | | | |
| | | | | | | | | | | | | | |
| LEG | END: | | | Notes, | Samples | and Tes | <u>s</u> | Consiste | | | _ | CS (kPa | |
| Wat | _ | orloud | | U ₅₀ | 50m | n Diame | er tube sample | | /ery Sofi Soft | t | | 25 5 - 50 | D Dry M Moist |
| - | | ter Level te and time s | shown) | CBR E | Bulk | sample | or CBR testing I sample | | irm Stiff | | 50 |) - 100 00 - 200 | W Wet W _p Plastic Limit |
| | | ter Inflow ter Outflow | | ASS B | Acid | | ioil Sample | VSt V | /ery Stifl lard | Ī | 20 | 30 - 200 30 - 400 400 | F |
| | ta Cha | | | | | Jampie | | Fb F | riable | | | | Density in days of 5% |
| | | radational or ansitional str | | Field T PID | Phot | | n detector reading (ppm) | Density | V L | L | ery Lo oose | | Density Index <15% Density Index 15 - 35% |
| | _ D | efinitive or di rata change | | DCP(x- HP | | | etrometer test (test depth interval shown) meter test (UCS kPa) | | MI D | | lediur ense | n Dense | e Density Index 35 - 65% Density Index 65 - 85% |
| | 51 | ata ondrige | | | | | | | VE | | ery D | | Density Index 85 - 100% |

| | | | | E | ENGI | NEE | RING LOG - TEST PIT | | | т | EST | PIT N | o: TP-S3 |
|----------|--|---|-----------------------|-----------------------|--|-----------------------------|---|-------------|-----------------------|------------------------|----------------------------|-------------------|--|
| | | REGION/ GEOTEC | | AL C | LIENT | : | RP Infrastructure | | | Р | AGE | ≣: | 1 of 1 |
| Ź | | SOLUTIO | NS | | PROJE | CT NA | ME: Proposed Ongrade Parks | | | J | OB | NO: | RGS32576.1 |
| | | | | S | SITE LC | CATI | DN: Tamworth Hospital | | | L | OGO | GED B | Y: LD |
| | | | | Т | EST LO | OCAT | ON: South Site | | | D | ATE | | 28/9/22 |
| EQI | UIPN | | E: | 5T Ex | cavato | r | EASTING: | 301936 | Sm 🕄 | SURF | ACE | RL: | |
| TES | ST PI | IT LENGT | H: | 0.3 m | w | IDTH: | 2.0 m NORTHING: | 6560221 | m I | DATU | M: | | AHD |
| F | Excav | ation and S | amplin | g | | | Material description and profile information | | | | Fiel | d Test | |
| METHOD | WATER | SAMPLES | RL (Not measure | DEPTH (m) | GRAPHIC LOG | CLASSIFICATION SYMBOL | MATERIAL DESCRIPTION: Soil type, plasticity characteristics,colour,minor component | | MOISTURE CONDITION | CONSISTENCY DENSITY | Test Type | Result | Structure and additional observations |
| ш | ered | | | | | ML | FILL: Clayey SILT, low plasticity, dark brow rootlets | n, with | Å × | | (m0 | 2 | TOPSOIL |
| | ounte | 0.10m | | | | | 1001010 | | Σ | | (0.00-1.00m) | | |
| | Not Encountered | ES | | 0.2 | | | | | | | 0.0) | 2 | |
| | Not | 0.20m | | 0.2 | X | | | | | | DCP | | |
| | | 0.30m | | | K | <u> </u> | <u>0.30m</u> | | | | | 5 | |
| | | | | | | CI | Silty CLAY: Medium plasticity, pale brown, with some gravel, fine to medium grained, a | | × × | | | 7 | |
| | | | | 0.4 | × | 1 | | - | Σ | | | \vdash | |
| | | В | | | | | | | | | | 4 | |
| | | | | | <u> </u> | - | | | | | | | |
| | | 0.60m | | 0.6 | | | | | | | | 3 | |
| | | | | | | | | | | | | 3 | |
| | | | | | | | | | | | | | |
| | | | | 0.8 | <u><u> </u></u> | | | | | | | 5 | |
| | | | | | | | | | | | | 5 | |
| | | | | | | | | | | | | 5 | |
| | | | | | × | | | | | | | 15 | |
| | | | | 1.0 | <u></u> | - | | | | | | \vdash | |
| | | | | | | 1 | | | | | | | |
| | | | | | <u>↓×</u> | | | | | | | | |
| \dashv | | | | 1.2 | <u> </u> | | 1.20m Hole Terminated at 1.20 m | | | | _ | | |
| | | | | | 1 | | | | | | | | |
| | | | | | - | | | | | | | | |
| | | | | 1.4 | 1 | | | | | | | | |
| | | | | | - | | | | | | | | |
| | | | | | 1 | | | | | | | | |
| | | | | 1.6 | - | | | | | | | | |
| | | | | | 1 | | | | | | | | |
| | | | | | - | | | | | | | | |
| | | | | |] | | | | | | | | |
| | | | | 1.8 | | | | | | | | | |
| | | | | |] | | | | | | | | |
| | | | | | - | | | | | | | | |
| | END: | | <u> </u> | Notes, Sa | amples a | nd Tee | s | Consiste | ncy | | | CS (kPa |) Moisture Condition |
| | | | | | | | _ | VS \ | /ery Soft | : | < | 25 | D Dry |
| Wate | | er Level | hown | U₅₀ CBR | Bulk s | ample f | er tube sample or CBR testing | FF | Soft Firm | | 50 | 5 - 50 0 - 100 | M Moist W Wet |
| _ | | to and time - | IUWIN) | E | Enviro | | Isample | | Stiff | | 10 | 00 - 200 | W _p Plastic Limit |
| _ | (Dat | te and time s ter Inflow | Ί | ASS | | Sulfate S | oil Sample | VSt \ | /ery Stiff | : | | 00 - 400 | WL Liquid Limit |
| | (Dat Wat Wat | ter Inflow ter Outflow | Í | | Acid S | Sulfate S Sample | oil Sample | нн | lard | : | 20 | 00 - 400 400 | |
| ¥ ↓ ↑ | (Dat Wat Wat ta Ch a | ter Inflow | | ASS B Field Tes | Acid S Bulk S ts | Sample | | нн | lard riable V | V | 20 >4 ery Lo | 400 | W _L Liquid Limit Density Index <15% |
| ¥ ↓ ↑ | (Dat Wat Wat t <u>a Cha</u> G tra | ter Inflow ter Outflow anges | ata | ASS B | Acid S Bulk S tits Photo Dynar | Sample ionisationisation | oil Sample n detector reading (ppm) trometer test (test depth interval shown) meter test (UCS kPa) | H H Fb F | lard riable | V | 20 >/ ery Lo pose | 400 | WL Liquid Limit Density Index <15% |

| | | REGION | AL | | | | RING LOG - TEST PIT | | | | - | PIT N | |
|------------|--------------|-----------------------------------|-----------------------|----------------|-------------|---------------------------------|---|------------------|-----------------------|------------------------|----------------|------------------------------|--|
| | | GEOTEC | HNIC | AL | CLIE | | RP Infrastructure | | | | AGE | | 1 of 1 |
| | | SOLUTIO | JNS | | | | | | | | OB | | RGS32576.1 |
| | | | | | | | ION: Tamworth Hospital IION: South Site | | | | | GED B | |
| | | | | | 1521 | LUCA | IION: South Site | | | | ATE | | 28/9/22 |
| | | MENT TYP | | 5T I 0.3 | Excava m | ator WIDTH | | 301901 560216 | | SURF. DATU | | RL: | AHD |
| | Exca | vation and S | Samplir | ıg | | | Material description and profile information | | | | Fiel | d Test | |
| METHOD | WATER | SAMPLES | RL (Not measure | | | LUG CLASSIFICATION SYMBOL | MATERIAL DESCRIPTION: Soil type, plasticity/par characteristics,colour,minor components | article | MOISTURE CONDITION | CONSISTENCY DENSITY | Test Type | Result | Structure and additional observations |
| ш | ered | | | | | CI | FILL: Silty Sandy CLAY, medium plasticity, dark brown, fine grained sand, with roots and foreign | | × × | St | 40m) | 3 | FILL |
| | Encountered | 0.10m | | | | X | material including wire | | Σ | | (0.00-1.40m) | | |
| | Not En | ES 0.20m | | c | .2 | \bigotimes | | | | | О. | 2 | |
| | z | | | | - | X | | | | | DCP | 2 | |
| | | | | | | 8 | | | | | | | |
| | | | | c | .4 | | CLAY: Medium plasticity, pale brown, with some gravel, fine to medium grained, angular | ne – – – | | | 1 | 2 | |
| | | | | | 는 | _ | gravel, line to medium grained, angulai | | | | | 3 | |
| | | 0.50m | | | | | | | | | | | |
| | | ES 0.60m | | C | .6 | | | | | | | 3 | |
| | | | | | E | | | | | | | 1 | |
| | | | | | E | | | | | | | 2 | |
| | | 0.80m | - | C | .8 — × > | | 0.80m | | | - | | 2 | HIGHLY TO MODERATELY |
| | | | | | | < × | SILISIONE. Fale blown | | | | | 2 | WEATHERED SILTSTONE Highly fractured |
| | | В | | | | × × × × | | | | | | 3 | Low strength |
| | | 1.00m | | 1 | .0 × > | × | 1.00m Hole Terminated at 1.00 m | | | | | 5 | |
| | | | | | | | | | | | | 5 | |
| LEC Wat | | | | | - | | | | | | | 5 | |
| | | | | 1 | .2 | | | | | | | | |
| | | | | | - | | | | | | | 6 | |
| | | | | 1 | .4 | | | | | | | 8 | |
| | | | | | - | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | 1 | .6 | | | | | | | | |
| | | | | | - | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | 1 | .8 | | | | | | | | |
| | | | | | - | | | | | | | | |
| | | | | | - | | | | | | | | |
| | | | | Nat | | | | `oncist | <u></u> | | L | CS //-P | Mointure Condition |
| <u>Wat</u> | GEND: ter | | | | | s and Te | | | ry Soft | | < | <u>CS (kPa</u> 25 5 50 | D Dry |
| ₹ | | ter Level Ite and time s | hown) | U₅₀ CBR | Bu | lk sample | for CBR testing | S So F Fir | m | | 50 | 5 - 50 0 - 100 | M Moist W Wet |
| ► | - Wa | ter Inflow |) | E ASS | Ac | id Sulfate | Soil Sample V | | ry Stiff | | 20 | 00 - 200 00 - 400 | F |
| Stra | | ter Outflow anges | | В | | lk Sample | F | | able | | | 400 | |
| | | Gradational or ansitional stra | | Field T PID | Ph | | ion detector reading (ppm) | Density | V L | L | ery Lo bose | | Density Index <15% Density Index 15 - 35% |
| - | C |)efinitive or di trata change | | DCP(x HP | | | netrometer test (test depth interval shown) rometer test (UCS kPa) | | ME D | D | ense | | Density Index 65 - 85% |
| | 3 | 5.101190 | | | | | | | VD |) V | ery D | ense | Density Index 85 - 100% |

| REGIONAL GEOTECHNICAL SOLUTIONS | | | | | ENGINEERING LOG - BOREHOLE CLIENT: RP Infrastructure PROJECT NAME: Proposed Ongrade Parks | | | | | | | BOREHOLE NO: BH-S5 PAGE: 1 of 1 | | | |
|--|-------------|---|-----------------------|--------------------------|---|--------------------------|---|-------------------|-----------------------|-------------------------------|---------------------|--|---|--|--|
| | | | | | | | | | | | | NO: | RGS32576.1 | | |
| | | | | | ITE LC | | • | | | | | GED B | | | |
| | | | | Т | EST LO | OCAT | ON: South Site | | | D | ATE | | 28/9/22 | | |
| | | YPE: Ole dian | | Auger t: 100 n | nm | IN | EASTING: CLINATION: 90° NORTHING: | 30186 656021 | | SURF. DATU | | RL: | AHD | | |
| | Drill | ing and Sar | npling | | | | Material description and profile information | | | | Fiel | d Test | | | |
| METHOD | WATER | SAMPLES | RL (Not measure | DEPTH (m) | GRAPHIC LOG | CLASSIFICATION SYMBOL | MATERIAL DESCRIPTION: Soil type, plasticit characteristics,colour,minor componen | | MOISTURE CONDITION | CONSISTENCY DENSITY | Test Type | Result | Structure and additional observations | | |
| HA | ered | | | - | | CI | FILL: Gravelly CLAY, medium plasticity, br to medium grained gravel, angular | own, fine | × × | | 30m) | 2 | FILL | | |
| | Encountered | 0.10m | - | - | | | | | Σ | | DCP (0.00-1.30m) | _ | | | |
| | Not End | ES 0.20m | | 0.2 | | | | | | | | 8 | | | |
| | z | | | - | | | | | | 1 | | 6 | | | |
| | | | | - | | > | | | | | | | | | |
| | | | | 0.4 | \bigotimes | | 0.50m | | | | | 4 | | | |
| | | | | | | | | | | | | 5 | | | |
| | | | | 0.6 | - | | Hole Terminated at 0.50 m | | | | | 8 | | | |
| | | | | - | | | | | | | | 3 | | | |
| | | | | - | | | | | | | | 3 | | | |
| | | | | 0. <u>8</u> |] | | | | | | | | | | |
| | | | | - | | | | | | | | 3 | | | |
| | | | | 1. <u>0</u> | | | | | | | | 3 | | | |
| | | | | - | - | | | | | | | 5 | | | |
| | | | | - 1.2 | - | | | | | | | 9 | | | |
| | | | | - | 1 | | | | | | | 10 | | | |
| | | | | - | | | | | | | | | | | |
| | | | | 1.4 | | | | | | | | | | | |
| | | | | - | | | | | | | | | | | |
| | | | | - | | | | | | | | | | | |
| | | | | 1. <u>6</u> | | | | | | | | | | | |
| | | | | - | | | | | | | | | | | |
| | | | | 1.8 | | | | | | | | | | | |
| | | | | - |] | | | | | | | | | | |
| | | | | - | 1 | | | | | | | | | | |
| LEG | END: | | | Notes, Sa | mples a | nd Test | <u>s</u> | Consist | ency | | Ŀ | CS (kPa | Moisture Condition | | |
| Water | | | | | | _ | VS | Very Soft Soft | | <2 | 25 5 - 50 | D Dry M Moist | | | |
| (Date and time shown) E Environmental sample | | | | | | | F | Firm Stiff | | 50 | 0 - 100 00 - 200 | W Wet W _p Plastic Limit | | | |
| | | | | | | Sulfate S | soil Sample | VSt | Very Stiff Hard | | 20 | 200 - 400 400 | W _L Liquid Limit | | |
| | ta Cha | | | Field Test | | | | 1 | Friable | V | ery Lo | | Density Index <15% | | |
| | tra | radational or ansitional stra efinitive or di | ata | PID DCP(x-y) | Photoionisation detector reading (ppm) | | | | | L Loose Density Index 15 - 35 | | | Density Index 15 - 35% | | |
| | | rata change | Suol | HP | | | | | D VE | D | ense ery D | | Density Index 65 - 85% Density Index 85 - 100% | | |

| | | REGIONA | M | | | | RING LOG - BOREHOLE | | | B | ORE | HOLE | E NO: BH-S6 |
|-----------------|---|--|------------------------|---|--|--|--|--|--|--------------------------|--|---------|--|
| | | GEOTEC | HNICA | L | | | RP Infrastructure | | | | AGE | | 1 of 1 |
| _ | | SOLUTIO | NS | | PROJECT NAME: Proposed Ongrade Parks | | | | | | OBI | | RGS32576.1 |
| | | | | | ITE LC | | • | | | | | GED B | |
| | | | | I | ESIL | JCAI | ON: South Site | | | | ATE | | 28/9/22 |
| | | YPE: Ole dian | Hand . IETER | - | nm | IN | EASTING: CLINATION: 90° NORTHING: | | | SURF. DATU | | RL: | AHD |
| | Drill | ing and Sar | npling | | | | Material description and profile information | | | | Fiel | d Test | |
| METHOD | WATER | SAMPLES | RL (Not measured | DEPTH (m) | GRAPHIC LOG | CLASSIFICATION SYMBOL | MATERIAL DESCRIPTION: Soil type, plasticit characteristics,colour,minor componen | | MOISTURE CONDITION | CONSISTENCY DENSITY | Test Type | Result | Structure and additional observations |
| HA | ered | | | - | | CI | FILL: Sandy CLAY, medium plasticity, dark fine to medium grained sand | k brown, | × × | | (0.00-1.00m) | 2 | FILL |
| | Encountered | 0.10m | | - | \bigotimes | | | | Σ | | 00-1. | | |
| | Not En | ES 0.20m | | 0.2 | \bigotimes | | | | | | DCP (0. | 3 | |
| | z | | | - | \bigotimes | | 0.25m | | | | B | 3 | |
| | | | | - | \bigotimes | CI | FILL: Gravelly CLAY, medium plasticity, bro roots | own, witr | 1 | | | | |
| | | | | 0.4 | \bigotimes | | | | | | | 3 | |
| | | | | - | \bigotimes | | | | | | | 3 | |
| | | | | - | \bigotimes | | | | | | | | |
| | | | | 0.6 | | | 0.60m | | _ | | | 2 | |
| | | | | - | × | CI | Silty CLAY: Medium plasticity, pale brown, some gravel, fine to medium grained, angu | | <pre>< W</pre> | | | 2 | |
| | | | | - | × | | | | Σ | | | | |
| | | | | 0.8 | ×× | | | | | | | 3 | |
| | | | | - | × | | | | | | | 5 | |
| | | | | - | × × | | | | | | | 15 | |
| | | | | 1.0 | × | | 1.00m Hole Terminated at 1.00 m | | | | | 15 | |
| | | | | 1.2 1.2 1.4 1.4 1.6 1.6 | | | | | | | | | |
| <u>Wat</u> ▼ | Wat (Dat Wat Wat ta Cha tra | er Level le and time s er Inflow er Outflow anges radational or ansitional stra efinitive or di rata change | ata | Notes, Sa U ₅₀ CBR E ASS B Field Test PID DCP(x-y) HP | 50mm Bulk s Enviro Acid S Bulk S Bulk S Photo Dynar | Diame ample f onmenta Sulfate S Sample conisation | S er tube sample or CBR testing I sample oil Sample n detector reading (ppm) etrometer test (test depth interval shown) meter test (UCS kPa) | Consi VS S F St VSt H Fb Densi | stency Very Sof Soft Firm Stiff Very Stiff Hard Friable ty V L M D U | f V La D M D | 25 25 50 20 20 20 20 20 20 20 20 20 20 20 20 20 | n Dense | D Dry M Moist W Wet W _p Plastic Limit U _L Liquid Limit Density Index <15% Density Index 15 - 35% |



Appendix C

Laboratory Test Result Sheets

Regional Geotechnical Solutions RGS32576.1-AR 19 October 2022



CERTIFICATE OF ANALYSIS

| Work Order | ES2234920 | Page | : 1 of 27 | |
|-------------------------|--|-------------------------|-----------------------------|--------------------------------|
| Client | REGIONAL GEOTECHNICAL SOLUTION | Laboratory | : Environmental Division Sy | /dney |
| Contact | : LOUIS DAVIDSON | Contact | : Customer Services ES | - |
| Address | : 44 BENT STREET | Address | : 277-289 Woodpark Road | Smithfield NSW Australia 2164 |
| | WINGHAM NSW, AUSTRALIA 2429 | | | |
| Telephone | : +61 02 6553 5641 | Telephone | : +61-2-8784 8555 | |
| Project | : RGS32576.1 PROPOSED CARPARK B Upgrades | Date Samples Received | : 29-Sep-2022 13:28 | ANULUE. |
| Order number | : | Date Analysis Commenced | 30-Sep-2022 | |
| C-O-C number | : | Issue Date | 07-Oct-2022 17:26 | |
| Sampler | : | | | Hac-MRA NATA |
| Site | : Tamworth Hospital | | | |
| Quote number | : EN/222 | | | |
| No. of samples received | : 38 | | | Accredited for compliance with |
| No. of samples analysed | : 38 | | | ISO/IEC 17025 - Testing |
| | | | | |

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Descriptive Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

| Signatories | Position | Accreditation Category |
|----------------|------------------------|--|
| Edwandy Fadjar | Organic Coordinator | Sydney Inorganics, Smithfield, NSW |
| Edwandy Fadjar | Organic Coordinator | Sydney Organics, Smithfield, NSW |
| Jake Spooner | Laboratory Technician | Newcastle - Asbestos, Mayfield West, NSW |
| Wisam Marassa | Inorganics Coordinator | Sydney Inorganics, Smithfield, NSW |



General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key: CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society. LOR = Limit of reporting

^ = This result is computed from individual analyte detections at or above the level of reporting

ø = ALS is not NATA accredited for these tests.

~ = Indicates an estimated value.

- Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) per the NEPM (2013) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1.2.3.cd)pyrene (0.1), Dibenz(a.h)anthracene (1.0), Benzo(g.h.i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero, for 'TEQ 1/2LOR' are treated as half the reported LOR, and for 'TEQ LOR' are treated as being equal to the reported LOR. Note: TEQ 1/2LOR and TEQ LOR will calculate as 0.6mg/Kg and 1.2mg/Kg respectively for samples with non-detects for all of the eight TEQ PAHs.
- EP080: Where reported, Total Xylenes is the sum of the reported concentrations of m&p-Xylene and o-Xylene at or above the LOR.
- EP068: Where reported, Total Chlordane (sum) is the sum of the reported concentrations of cis-Chlordane and trans-Chlordane at or above the LOR.
- EP068: Where reported, Total OCP is the sum of the reported concentrations of all Organochlorine Pesticides at or above LOR.
- EP075(SIM): Where reported, Total Cresol is the sum of the reported concentrations of 2-Methylphenol and 3- & 4-Methylphenol at or above the LOR.
- EA200 'Am' Amosite (brown asbestos)
- EA200 'Cr' Crocidolite (blue asbestos)
- EA200 'Trace' Asbestos fibres ("Free Fibres") detected by trace analysis per AS4964. The result can be interpreted that the sample contains detectable 'respirable' asbestos fibres
- EA200: Asbestos Identification Samples were analysed by Polarised Light Microscopy including dispersion staining.
- EA200 Legend
- EA200 'Ch' Chrysotile (white asbestos)
- EA200: 'UMF' Unknown Mineral Fibres. "-" indicates fibres detected may or may not be asbestos fibres. Confirmation by alternative techniques is recommended.
- EA200: For samples larger than 30g, the <2mm fraction may be sub-sampled prior to trace analysis as outlined in ISO23909:2008(E) Sect 6.3.2-2
- EA200: 'Yes' Asbestos detected by polarised light microscopy including dispersion staining.
- EA200: 'No*' No asbestos found, at the reporting limit of 0.1g/kg, by polarised light microscopy including dispersion staining. Asbestos material was detected and positively identified at concentrations estimated to be below 0.1g/kg.
- EA200: 'No' No asbestos found at the reporting limit 0.1g/kg, by polarised light microscopy including dispersion staining.

| Page | : 3 of 27 |
|------------|--|
| Work Order | : ES2234920 |
| Client | : REGIONAL GEOTECHNICAL SOLUTION |
| Project | RGS32576.1 PROPOSED CARPARK B Upgrades |



| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | TP-N1 | TP-N2 | TP-N3 | TP-N4 | TP-N5 |
|--------------------------------------|-------------------------|--------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | | | 0.05-0.1 | 0.05-0.1 | 0.9-1 | 0.1-0.2 | 0.05-0.1 |
| | | Sampli | ng date / time | 29-Sep-2022 00:00 |
| Compound | CAS Number | LOR | Unit | ES2234920-001 | ES2234920-002 | ES2234920-003 | ES2234920-004 | ES2234920-005 |
| | | | | Result | Result | Result | Result | Result |
| EA200: AS 4964 - 2004 Identification | on of Asbestos in Soils | ; | | | | | | |
| Asbestos Detected | 1332-21-4 | 0.1 | g/kg | No | No | No | No | No |
| Asbestos (Trace) | 1332-21-4 | 5 | Fibres | No | No | No | No | No |
| Asbestos Type | 1332-21-4 | - | | - | - | - | - | - |
| Synthetic Mineral Fibre | | 0.1 | g/kg | No | No | No | No | No |
| Organic Fibre | | 0.1 | g/kg | No | No | No | No | No |
| Sample weight (dry) | | 0.01 | g | 260 | 225 | 343 | 255 | 183 |
| APPROVED IDENTIFIER: | | - | | J.SPOONER | J.SPOONER | J.SPOONER | J.SPOONER | J.SPOONER |

| Page | : 4 of 27 |
|------------|--|
| Work Order | : ES2234920 |
| Client | : REGIONAL GEOTECHNICAL SOLUTION |
| Project | RGS32576.1 PROPOSED CARPARK B Upgrades |



| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | TP-N6 0.1-0.2 | TP-N7 0.05-0.1 | TP-N8 0.05-0.1 | TP-S1 0.3-0.35 | TP-S2 0.2-0.3 |
|------------------------------------|--------------------------|--------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Sampli | ng date / time | 29-Sep-2022 00:00 |
| Compound | CAS Number | LOR | Unit | ES2234920-006 | ES2234920-007 | ES2234920-008 | ES2234920-009 | ES2234920-010 |
| | | | | Result | Result | Result | Result | Result |
| EA200: AS 4964 - 2004 Identificati | ion of Asbestos in Soils | ; | | | | | | |
| Asbestos Detected | 1332-21-4 | 0.1 | g/kg | No | No | No | No | No |
| Asbestos (Trace) | 1332-21-4 | 5 | Fibres | No | No | No | No | No |
| Asbestos Type | 1332-21-4 | - | | - | - | - | - | - |
| Synthetic Mineral Fibre | | 0.1 | g/kg | No | No | No | No | No |
| Organic Fibre | | 0.1 | g/kg | No | No | No | No | No |
| Sample weight (dry) | | 0.01 | g | 195 | 442 | 423 | 342 | 224 |
| APPROVED IDENTIFIER: | | - | | J.SPOONER | J.SPOONER | J.SPOONER | J.SPOONER | J.SPOONER |

| Page Work Order | 5 of 27 ES2234920 |
|--------------------|--|
| Client | REGIONAL GEOTECHNICAL SOLUTION |
| Proiect | RGS32576.1 PROPOSED CARPARK B Upgrades |



| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | TP-S3 | TP-S4 | TP-S5 | TP-S6 | TP-S7 |
|--------------------------------------|-------------------------|--------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | | | 0.1-0.2 | 0.1-0.2 | 0.1-0.2 | 0.1-0.2 | 0.1-0.2 |
| | | Sampli | ng date / time | 29-Sep-2022 00:00 |
| Compound | CAS Number | LOR | Unit | ES2234920-011 | ES2234920-012 | ES2234920-013 | ES2234920-014 | ES2234920-015 |
| | | | | Result | Result | Result | Result | Result |
| EA200: AS 4964 - 2004 Identification | on of Asbestos in Soils | | | | | | | |
| Asbestos Detected | 1332-21-4 | 0.1 | g/kg | No | No | No | No | No |
| Asbestos (Trace) | 1332-21-4 | 5 | Fibres | No | No | No | No | No |
| Asbestos Type | 1332-21-4 | - | | - | - | - | - | - |
| Synthetic Mineral Fibre | | 0.1 | g/kg | No | No | No | No | No |
| Organic Fibre | | 0.1 | g/kg | No | No | No | No | No |
| Sample weight (dry) | | 0.01 | g | 211 | 235 | 259 | 312 | 108 |
| APPROVED IDENTIFIER: | | - | | J.SPOONER | J.SPOONER | J.SPOONER | J.SPOONER | J.SPOONER |



| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | TP-S8 | TP-S9 | TP-S10 | TP-N1 | TP-N2 |
|---|---------------------|------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | | | 0.05-0.1 | 0.1-0.2 | 0.1-0.2 | 0.05-0.1 | 0.05-0.1 |
| | | | ng date / time | 29-Sep-2022 00:00 |
| Compound | CAS Number | LOR | Unit | ES2234920-016 | ES2234920-017 | ES2234920-018 | ES2234920-019 | ES2234920-020 |
| | | | | Result | Result | Result | Result | Result |
| EA055: Moisture Content (Dried @ 105 | -110°C) | | | | | | | |
| Moisture Content | | 1.0 | % | | | | 17.4 | 16.2 |
| EA200: AS 4964 - 2004 Identification of | f Asbestos in Soils | | | | | | | |
| Asbestos Detected | 1332-21-4 | 0.1 | g/kg | No | No | No | | |
| Asbestos (Trace) | 1332-21-4 | 5 | Fibres | No | No | No | | |
| Asbestos Type | 1332-21-4 | - | | - | - | - | | |
| Synthetic Mineral Fibre | | 0.1 | g/kg | No | No | No | | |
| Organic Fibre | | 0.1 | g/kg | No | No | No | | |
| Sample weight (dry) | | 0.01 | g | 254 | 261 | 218 | | |
| APPROVED IDENTIFIER: | | - | | J.SPOONER | J.SPOONER | J.SPOONER | | |
| EG005(ED093)T: Total Metals by ICP-A | ES | | | | | | | |
| Arsenic | 7440-38-2 | 5 | mg/kg | | | | 6 | 8 |
| Cadmium | 7440-43-9 | 1 | mg/kg | | | | <1 | <1 |
| Chromium | 7440-47-3 | 2 | mg/kg | | | | 15 | 14 |
| Copper | 7440-50-8 | 5 | mg/kg | | | | 24 | 33 |
| Lead | 7439-92-1 | 5 | mg/kg | | | | 10 | 8 |
| Nickel | 7440-02-0 | 2 | mg/kg | | | | 11 | 12 |
| Zinc | 7440-66-6 | 5 | mg/kg | | | | 54 | 60 |
| EG035T: Total Recoverable Mercury b | V FIMS | | | | | | | |
| Mercury | 7439-97-6 | 0.1 | mg/kg | | | | <0.1 | <0.1 |
| EP066: Polychlorinated Biphenyls (PC | | | | | | | | |
| Total Polychlorinated biphenyls | | 0.1 | mg/kg | | | | <0.1 | <0.1 |
| EP068A: Organochlorine Pesticides (O | | | | | | | | |
| alpha-BHC | 319-84-6 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | | | | <0.05 | < 0.05 |
| beta-BHC | 319-85-7 | 0.05 | mg/kg | | | | <0.05 | < 0.05 |
| gamma-BHC | 58-89-9 | 0.05 | mg/kg | | | | <0.05 | < 0.05 |
| delta-BHC | 319-86-8 | 0.05 | mg/kg | | | | <0.05 | < 0.05 |
| Heptachlor | 76-44-8 | 0.05 | mg/kg | | | | <0.05 | < 0.05 |
| Aldrin | 309-00-2 | 0.05 | mg/kg | | | | <0.05 | < 0.05 |
| Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | | | | <0.05 | < 0.05 |
| ^ Total Chlordane (sum) | | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | | | | <0.05 | < 0.05 |
| alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | | | | <0.05 | < 0.05 |
| cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | | | | <0.05 | < 0.05 |

| Page | : 7 of 27 |
|------------|--|
| Work Order | : ES2234920 |
| Client | : REGIONAL GEOTECHNICAL SOLUTION |
| Project | RGS32576.1 PROPOSED CARPARK B Upgrades |



| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | TP-S8 0.05-0.1 | TP-S9 0.1-0.2 | TP-S10 0.1-0.2 | TP-N1 0.05-0.1 | TP-N2 0.05-0.1 |
|------------------------------------|--------------------------|---------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Samplii | ng date / time | 29-Sep-2022 00:00 |
| Compound | CAS Number | LOR | Unit | ES2234920-016 | ES2234920-017 | ES2234920-018 | ES2234920-019 | ES2234920-020 |
| Compound | ono number | | | Result | Result | Result | Result | Result |
| EP068A: Organochlorine Pestici | des (OC) - Continued | | | | | | | |
| Dieldrin | 60-57-1 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| 4.4`-DDE | 72-55-9 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| Endrin | 72-20-8 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| beta-Endosulfan | 33213-65-9 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| ^ Endosulfan (sum) | 115-29-7 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| 4.4`-DDD | 72-54-8 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| Endrin aldehyde | 7421-93-4 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| Endosulfan sulfate | 1031-07-8 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| 4.4`-DDT | 50-29-3 | 0.2 | mg/kg | | | | <0.2 | <0.2 |
| Endrin ketone | 53494-70-5 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| Methoxychlor | 72-43-5 | 0.2 | mg/kg | | | | <0.2 | <0.2 |
| ^ Sum of Aldrin + Dieldrin | 309-00-2/60-57-1 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| ^ Sum of DDD + DDE + DDT | 72-54-8/72-55-9/5 0-2 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| EP068B: Organophosphorus Pe | | | | | | | | |
| Dichlorvos | 62-73-7 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| Demeton-S-methyl | 919-86-8 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| Monocrotophos | 6923-22-4 | 0.2 | mg/kg | | | | <0.2 | <0.2 |
| Dimethoate | 60-51-5 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| Diazinon | 333-41-5 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| Chlorpyrifos-methyl | 5598-13-0 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| Parathion-methyl | 298-00-0 | 0.2 | mg/kg | | | | <0.2 | <0.2 |
| Malathion | 121-75-5 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| Fenthion | 55-38-9 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| Chlorpyrifos | 2921-88-2 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| Parathion | 56-38-2 | 0.2 | mg/kg | | | | <0.2 | <0.2 |
| Pirimphos-ethyl | 23505-41-1 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| Chlorfenvinphos | 470-90-6 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| Bromophos-ethyl | 4824-78-6 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| Fenamiphos | 22224-92-6 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| Prothiofos | 34643-46-4 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| Ethion | 563-12-2 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| Carbophenothion | 786-19-6 | 0.05 | mg/kg | | | | <0.05 | <0.05 |
| Azinphos Methyl | 86-50-0 | 0.05 | mg/kg | | | | <0.05 | <0.05 |

Page : 8 of 27 Work Order : ES2234920 Client : REGIONAL GEOTECHNICAL SOLUTION Project : RGS32576.1 PROPOSED CARPARK B Upgrades



| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | TP-S8 0.05-0.1 | TP-S9 0.1-0.2 | TP-S10 0.1-0.2 | TP-N1 0.05-0.1 | TP-N2 0.05-0.1 |
|---|----------------------|-----------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Sampli | ng date / time | 29-Sep-2022 00:00 |
| Compound | CAS Number | LOR | Unit | ES2234920-016 | ES2234920-017 | ES2234920-018 | ES2234920-019 | ES2234920-020 |
| | | | | Result | Result | Result | Result | Result |
| EP075(SIM)B: Polynuclear Aromatic | c Hydrocarbons | | | | | | | |
| Naphthalene | 91-20-3 | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| Acenaphthylene | 208-96-8 | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| Acenaphthene | 83-32-9 | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| Fluorene | 86-73-7 | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| Phenanthrene | 85-01-8 | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| Anthracene | 120-12-7 | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| Fluoranthene | 206-44-0 | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| Pyrene | 129-00-0 | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| Chrysene | 218-01-9 | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| Benzo(b+j)fluoranthene | 205-99-2 205-82-3 | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| Benzo(k)fluoranthene | 207-08-9 | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| Benzo(g.h.i)perylene | 191-24-2 | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| ^ Sum of polycyclic aromatic hydrocarl | bons | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| ^ Benzo(a)pyrene TEQ (zero) | | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| ^ Benzo(a)pyrene TEQ (half LOR) | | 0.5 | mg/kg | | | | 0.6 | 0.6 |
| ^ Benzo(a)pyrene TEQ (LOR) | | 0.5 | mg/kg | | | | 1.2 | 1.2 |
| EP080/071: Total Petroleum Hydrod | carbons | | | | | | | |
| C6 - C9 Fraction | | 10 | mg/kg | | | | <10 | <10 |
| C10 - C14 Fraction | | 50 | mg/kg | | | | <50 | <50 |
| C15 - C28 Fraction | | 100 | mg/kg | | | | <100 | <100 |
| C29 - C36 Fraction | | 100 | mg/kg | | | | <100 | <100 |
| ^ C10 - C36 Fraction (sum) | | 50 | mg/kg | | | | <50 | <50 |
| EP080/071: Total Recoverable Hydr | rocarbons - NEPM 201 | 3 Fractio | ns | | | | | |
| C6 - C10 Fraction | C6_C10 | 10 | mg/kg | | | | <10 | <10 |
| [^] C6 - C10 Fraction minus BTEX | C6 C10-BTEX | 10 | mg/kg | | | | <10 | <10 |
| (F1) | | | | | | | | |
| >C10 - C16 Fraction | | 50 | mg/kg | | | | <50 | <50 |
| >C16 - C34 Fraction | | 100 | mg/kg | | | | <100 | <100 |
| >C34 - C40 Fraction | | 100 | mg/kg | | | | <100 | <100 |
| ^ >C10 - C40 Fraction (sum) | | 50 | mg/kg | | | | <50 | <50 |

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|------------|--|
| Work Order | : ES2234920 |
| Client | : REGIONAL GEOTECHNICAL SOLUTION |
| Project | RGS32576.1 PROPOSED CARPARK B Upgrades |



| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | TP-S8 0.05-0.1 | TP-S9 0.1-0.2 | TP-S10 0.1-0.2 | TP-N1 0.05-0.1 | TP-N2 0.05-0.1 |
|--|------------------------|-----------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Sampli | ng date / time | 29-Sep-2022 00:00 |
| Compound | CAS Number | LOR | Unit | ES2234920-016 | ES2234920-017 | ES2234920-018 | ES2234920-019 | ES2234920-020 |
| | | | | Result | Result | Result | Result | Result |
| EP080/071: Total Recoverable Hy | ydrocarbons - NEPM 201 | 3 Fractio | ns - Continued | | | | | |
| ^ >C10 - C16 Fraction minus Naphth (F2) | alene | 50 | mg/kg | | | | <50 | <50 |
| EP080: BTEXN | | | | | | | | |
| Benzene | 71-43-2 | 0.2 | mg/kg | | | | <0.2 | <0.2 |
| Toluene | 108-88-3 | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| Ethylbenzene | 100-41-4 | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| meta- & para-Xylene | 108-38-3 106-42-3 | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| ortho-Xylene | 95-47-6 | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| ^ Sum of BTEX | | 0.2 | mg/kg | | | | <0.2 | <0.2 |
| ^ Total Xylenes | | 0.5 | mg/kg | | | | <0.5 | <0.5 |
| Naphthalene | 91-20-3 | 1 | mg/kg | | | | <1 | <1 |
| EP066S: PCB Surrogate | | | | | | | | |
| Decachlorobiphenyl | 2051-24-3 | 0.1 | % | | | | 87.4 | 96.5 |
| EP068S: Organochlorine Pestici | de Surrogate | | | | | | | |
| Dibromo-DDE | 21655-73-2 | 0.05 | % | | | | 84.7 | 93.0 |
| EP068T: Organophosphorus Pes | | | | | | | | |
| DEF | 78-48-8 | 0.05 | % | | | | 100 | 108 |
| EP075(SIM)S: Phenolic Compou | | | | | | | | 1 |
| Phenol-d6 | 13127-88-3 | 0.5 | % | | | | 98.5 | 92.0 |
| 2-Chlorophenol-D4 | 93951-73-6 | 0.5 | % | | | | 99.4 | 92.0 |
| 2.4.6-Tribromophenol | 118-79-6 | 0.5 | % | | | | 72.2 | 62.4 |
| EP075(SIM)T: PAH Surrogates | | | | | | | | |
| 2-Fluorobiphenyl | 321-60-8 | 0.5 | % | | | | 104 | 98.9 |
| Anthracene-d10 | 1719-06-8 | 0.5 | % | | | | 99.2 | 93.4 |
| 4-Terphenyl-d14 | 1718-51-0 | 0.5 | % | | | | 105 | 99.2 |
| EP080S: TPH(V)/BTEX Surrogate | | | | | | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 0.2 | % | | | | 82.3 | 87.6 |
| Toluene-D8 | 2037-26-5 | 0.2 | % | | | | 90.4 | 97.9 |
| 4-Bromofluorobenzene | 460-00-4 | 0.2 | % | | | | 86.1 | 92.6 |



| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | TP-N3 0.9-1 | TP-N4 0.1-0.2 | TP-N5 0.05-0.1 | TP-N6 0.1-0.2 | TP-N7 0.05-0.1 |
|-------------------------------------|------------|---------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Samplii | ng date / time | 29-Sep-2022 00:00 |
| Compound | CAS Number | LOR | Unit | ES2234920-021 | ES2234920-022 | ES2234920-023 | ES2234920-024 | ES2234920-025 |
| | | | | Result | Result | Result | Result | Result |
| EA055: Moisture Content (Dried @ 1 | 05-110°C) | | | | | | | |
| Moisture Content | | 1.0 | % | 16.2 | 14.5 | 21.9 | 12.5 | 4.9 |
| EG005(ED093)T: Total Metals by ICP | -AES | | | | | | | |
| Arsenic | 7440-38-2 | 5 | mg/kg | 10 | 5 | 7 | 8 | 6 |
| Cadmium | 7440-43-9 | 1 | mg/kg | <1 | <1 | <1 | <1 | <1 |
| Chromium | 7440-47-3 | 2 | mg/kg | 12 | 16 | 14 | 16 | 13 |
| Copper | 7440-50-8 | 5 | mg/kg | 35 | 27 | 28 | 37 | 17 |
| Lead | 7439-92-1 | 5 | mg/kg | 8 | 27 | 14 | 24 | 6 |
| Nickel | 7440-02-0 | 2 | mg/kg | 9 | 11 | 11 | 14 | 10 |
| Zinc | 7440-66-6 | 5 | mg/kg | 63 | 85 | 83 | 94 | 30 |
| EG035T: Total Recoverable Mercury | v by FIMS | | | | | | | |
| Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| EP066: Polychlorinated Biphenyls (F | | | | | | | | |
| Total Polychlorinated biphenyls | | 0.1 | mg/kg | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| EP068A: Organochlorine Pesticides | | | 5 5 | | | | | |
| alpha-BHC | 319-84-6 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| beta-BHC | 319-85-7 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| gamma-BHC | 58-89-9 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| delta-BHC | 319-86-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Heptachlor | 76-44-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Aldrin | 309-00-2 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| ^ Total Chlordane (sum) | | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Dieldrin | 60-57-1 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| 4.4`-DDE | 72-55-9 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Endrin | 72-20-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| beta-Endosulfan | 33213-65-9 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| ^ Endosulfan (sum) | 115-29-7 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| 4.4`-DDD | 72-54-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Endrin aldehyde | 7421-93-4 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Endosulfan sulfate | 1031-07-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |

Page : 11 of 27 Work Order : ES2234920 Client : REGIONAL GEOTECHNICAL SOLUTION Project : RGS32576.1 PROPOSED CARPARK B Upgrades



| Sub-Matrix: SOIL | | | Sample ID | TP-N3 | TP-N4 | TP-N5 | TP-N6 | TP-N7 |
|--------------------------------|----------------------|--------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| (Matrix: SOIL) | | | | 0.9-1 | 0.1-0.2 | 0.05-0.1 | 0.1-0.2 | 0.05-0.1 |
| | | Sampli | ng date / time | 29-Sep-2022 00:00 |
| Compound | CAS Number | LOR | Unit | ES2234920-021 | ES2234920-022 | ES2234920-023 | ES2234920-024 | ES2234920-025 |
| | | | | Result | Result | Result | Result | Result |
| EP068A: Organochlorine Pestici | des (OC) - Continued | | | | | | | |
| 4.4`-DDT | 50-29-3 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Endrin ketone | 53494-70-5 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Methoxychlor | 72-43-5 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| ^ Sum of Aldrin + Dieldrin | 309-00-2/60-57-1 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| ^ Sum of DDD + DDE + DDT | 72-54-8/72-55-9/5 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| | 0-2 | | | | | | | |
| EP068B: Organophosphorus Pe | sticides (OP) | | | | | | | |
| Dichlorvos | 62-73-7 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Demeton-S-methyl | 919-86-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Monocrotophos | 6923-22-4 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Dimethoate | 60-51-5 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Diazinon | 333-41-5 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Chlorpyrifos-methyl | 5598-13-0 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Parathion-methyl | 298-00-0 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Malathion | 121-75-5 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Fenthion | 55-38-9 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Chlorpyrifos | 2921-88-2 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Parathion | 56-38-2 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Pirimphos-ethyl | 23505-41-1 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Chlorfenvinphos | 470-90-6 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Bromophos-ethyl | 4824-78-6 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Fenamiphos | 22224-92-6 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Prothiofos | 34643-46-4 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Ethion | 563-12-2 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Carbophenothion | 786-19-6 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Azinphos Methyl | 86-50-0 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| EP075(SIM)B: Polynuclear Arom | atic Hydrocarbons | | | | | | | |
| Naphthalene | 91-20-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Acenaphthylene | 208-96-8 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Acenaphthene | 83-32-9 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Fluorene | 86-73-7 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Phenanthrene | 85-01-8 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Anthracene | 120-12-7 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Fluoranthene | 206-44-0 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |

Page : 12 of 27 Work Order : ES2234920 Client : REGIONAL GEOTECHNICAL SOLUTION Project : RGS32576.1 PROPOSED CARPARK B Upgrades



| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | TP-N3 0.9-1 | TP-N4 0.1-0.2 | TP-N5 0.05-0.1 | TP-N6 0.1-0.2 | TP-N7 0.05-0.1 |
|---|--------------------|------------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Samplii | ng date / time | 29-Sep-2022 00:00 |
| Compound | CAS Number | LOR | Unit | ES2234920-021 | ES2234920-022 | ES2234920-023 | ES2234920-024 | ES2234920-025 |
| | | | | Result | Result | Result | Result | Result |
| EP075(SIM)B: Polynuclear Aromatic H | ydrocarbons - Cont | inued | | | | | | |
| Pyrene | 129-00-0 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Chrysene | 218-01-9 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(b+j)fluoranthene | 205-99-2 205-82-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(k)fluoranthene | 207-08-9 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(g.h.i)perylene | 191-24-2 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Sum of polycyclic aromatic hydrocarbon | s | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Benzo(a)pyrene TEQ (zero) | | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Benzo(a)pyrene TEQ (half LOR) | | 0.5 | mg/kg | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| ^ Benzo(a)pyrene TEQ (LOR) | | 0.5 | mg/kg | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| EP080/071: Total Petroleum Hydrocart | oons | | | | | | | |
| C6 - C9 Fraction | | 10 | mg/kg | <10 | <10 | <10 | <10 | <10 |
| C10 - C14 Fraction | | 50 | mg/kg | <50 | <50 | <50 | <50 | <50 |
| C15 - C28 Fraction | | 100 | mg/kg | <100 | <100 | <100 | <100 | <100 |
| C29 - C36 Fraction | | 100 | mg/kg | <100 | <100 | <100 | <100 | <100 |
| ^ C10 - C36 Fraction (sum) | | 50 | mg/kg | <50 | <50 | <50 | <50 | <50 |
| EP080/071: Total Recoverable Hydroca | arbons - NEPM 201 | 3 Fraction | าร | | | | | |
| C6 - C10 Fraction | C6_C10 | 10 | mg/kg | <10 | <10 | <10 | <10 | <10 |
| [^] C6 - C10 Fraction minus BTEX (F1) | C6_C10-BTEX | 10 | mg/kg | <10 | <10 | <10 | <10 | <10 |
| >C10 - C16 Fraction | | 50 | mg/kg | <50 | <50 | <50 | <50 | <50 |
| >C16 - C34 Fraction | | 100 | mg/kg | <100 | <100 | <100 | <100 | <100 |
| >C34 - C40 Fraction | | 100 | mg/kg | <100 | <100 | <100 | <100 | <100 |
| ^ >C10 - C40 Fraction (sum) | | 50 | mg/kg | <50 | <50 | <50 | <50 | <50 |
| ^ >C10 - C16 Fraction minus Naphthalene | | 50 | mg/kg | <50 | <50 | <50 | <50 | <50 |
| (F2) | | | | | | | | |
| EP080: BTEXN | | | | | | | | |
| Benzene | 71-43-2 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Toluene | 108-88-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Ethylbenzene | 100-41-4 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| meta- & para-Xylene | 108-38-3 106-42-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |

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|------------|--|
| Work Order | : ES2234920 |
| Client | : REGIONAL GEOTECHNICAL SOLUTION |
| Project | RGS32576.1 PROPOSED CARPARK B Upgrades |



| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | TP-N3 0.9-1 | TP-N4 0.1-0.2 | TP-N5 0.05-0.1 | TP-N6 0.1-0.2 | TP-N7 0.05-0.1 |
|------------------------------------|------------------|--------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Sampli | ing date / time | 29-Sep-2022 00:00 |
| Compound | CAS Number | LOR | Unit | ES2234920-021 | ES2234920-022 | ES2234920-023 | ES2234920-024 | ES2234920-025 |
| | | | | Result | Result | Result | Result | Result |
| EP080: BTEXN - Continued | | | | | | | | |
| ortho-Xylene | 95-47-6 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Sum of BTEX | | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| ^ Total Xylenes | | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Naphthalene | 91-20-3 | 1 | mg/kg | <1 | <1 | <1 | <1 | <1 |
| EP066S: PCB Surrogate | | | | | | | | |
| Decachlorobiphenyl | 2051-24-3 | 0.1 | % | 93.0 | 126 | 90.0 | 75.3 | 94.3 |
| EP068S: Organochlorine Pesticio | le Surrogate | | | | | | | |
| Dibromo-DDE | 21655-73-2 | 0.05 | % | 88.4 | 94.1 | 85.8 | 72.2 | 83.9 |
| EP068T: Organophosphorus Pes | ticide Surrogate | | | | | | | |
| DEF | 78-48-8 | 0.05 | % | 94.6 | 99.6 | 103 | 80.4 | 92.9 |
| EP075(SIM)S: Phenolic Compour | nd Surrogates | | | | | | | |
| Phenol-d6 | 13127-88-3 | 0.5 | % | 96.0 | 85.0 | 90.1 | 92.2 | 88.5 |
| 2-Chlorophenol-D4 | 93951-73-6 | 0.5 | % | 93.0 | 85.1 | 89.2 | 92.4 | 88.1 |
| 2.4.6-Tribromophenol | 118-79-6 | 0.5 | % | 64.8 | 54.5 | 65.4 | 66.9 | 61.1 |
| EP075(SIM)T: PAH Surrogates | | | | | | | | |
| 2-Fluorobiphenyl | 321-60-8 | 0.5 | % | 102 | 95.4 | 99.1 | 102 | 96.2 |
| Anthracene-d10 | 1719-06-8 | 0.5 | % | 99.2 | 86.7 | 92.2 | 98.9 | 96.0 |
| 4-Terphenyl-d14 | 1718-51-0 | 0.5 | % | 101 | 95.2 | 99.9 | 106 | 96.6 |
| EP080S: TPH(V)/BTEX Surrogate | s | | | | | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 0.2 | % | 82.9 | 81.6 | 87.2 | 90.2 | 87.9 |
| Toluene-D8 | 2037-26-5 | 0.2 | % | 93.0 | 84.4 | 97.0 | 102 | 96.2 |
| 4-Bromofluorobenzene | 460-00-4 | 0.2 | % | 89.9 | 86.1 | 90.1 | 96.4 | 94.1 |



| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | TP-N8 0.05-0.1 | N-D1 | TP-S1 0.3-0.35 | TP-S2 0.2-0.3 | TP-S3 0.1-0.2 |
|------------------------------------|------------|--------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Sampli | ng date / time | 29-Sep-2022 00:00 |
| Compound | CAS Number | LOR | Unit | ES2234920-026 | ES2234920-027 | ES2234920-028 | ES2234920-029 | ES2234920-030 |
| | | | | Result | Result | Result | Result | Result |
| EA055: Moisture Content (Dried @ | 105-110°C) | | | | | | | |
| Moisture Content | | 1.0 | % | 16.9 | 19.0 | 16.0 | 16.4 | 16.0 |
| EG005(ED093)T: Total Metals by IC | P-AES | | | | | | | |
| Arsenic | 7440-38-2 | 5 | mg/kg | 7 | 7 | 6 | 6 | 5 |
| Cadmium | 7440-43-9 | 1 | mg/kg | <1 | <1 | <1 | <1 | <1 |
| Chromium | 7440-47-3 | 2 | mg/kg | 14 | 18 | 12 | 12 | 24 |
| Copper | 7440-50-8 | 5 | mg/kg | 32 | 26 | 42 | 40 | 35 |
| Lead | 7439-92-1 | 5 | mg/kg | 8 | 28 | 10 | 11 | 14 |
| Nickel | 7440-02-0 | 2 | mg/kg | 13 | 12 | 12 | 11 | 22 |
| Zinc | 7440-66-6 | 5 | mg/kg | 58 | 78 | 78 | 79 | 71 |
| EG035T: Total Recoverable Mercu | | | | | | | | |
| Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| EP066: Polychlorinated Biphenyls (| | | | | | | | |
| Total Polychlorinated biphenyls | (FCB) | 0.1 | mg/kg | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| EP068A: Organochlorine Pesticides | | 0.1 | | | | | • | • |
| alpha-BHC | 319-84-6 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | < 0.05 |
| Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| beta-BHC | 319-85-7 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| gamma-BHC | 58-89-9 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| delta-BHC | 319-86-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Heptachlor | 76-44-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Aldrin | 309-00-2 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Total Chlordane (sum) | 1024-57-5 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Dieldrin | 60-57-1 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| 4.4`-DDE | 72-55-9 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Endrin | 72-33-9 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| beta-Endosulfan | 33213-65-9 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Seta-Endosulfan (sum) | 115-29-7 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| 4.4`-DDD | 72-54-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Endrin aldehyde | 72-54-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| | | 0.05 | | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Endosulfan sulfate | 1031-07-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |

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|------------|--|
| Work Order | : ES2234920 |
| Client | : REGIONAL GEOTECHNICAL SOLUTION |
| Project | RGS32576.1 PROPOSED CARPARK B Upgrades |



| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | TP-N8 0.05-0.1 | N-D1 | TP-S1 0.3-0.35 | TP-S2 0.2-0.3 | TP-S3 0.1-0.2 |
|------------------------------------|----------------------|---------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Samplii | ng date / time | 29-Sep-2022 00:00 |
| Compound | CAS Number | LOR | Unit | ES2234920-026 | ES2234920-027 | ES2234920-028 | ES2234920-029 | ES2234920-030 |
| | | | | Result | Result | Result | Result | Result |
| EP068A: Organochlorine Pestici | des (OC) - Continued | | | | | | | |
| 4.4`-DDT | 50-29-3 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Endrin ketone | 53494-70-5 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Methoxychlor | 72-43-5 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| ^ Sum of Aldrin + Dieldrin | 309-00-2/60-57-1 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| ^ Sum of DDD + DDE + DDT | 72-54-8/72-55-9/5 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| | 0-2 | | | | | | | |
| EP068B: Organophosphorus Pe | sticides (OP) | | | | | | | |
| Dichlorvos | 62-73-7 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Demeton-S-methyl | 919-86-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Monocrotophos | 6923-22-4 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Dimethoate | 60-51-5 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Diazinon | 333-41-5 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Chlorpyrifos-methyl | 5598-13-0 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Parathion-methyl | 298-00-0 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Malathion | 121-75-5 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Fenthion | 55-38-9 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Chlorpyrifos | 2921-88-2 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Parathion | 56-38-2 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Pirimphos-ethyl | 23505-41-1 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Chlorfenvinphos | 470-90-6 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Bromophos-ethyl | 4824-78-6 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Fenamiphos | 22224-92-6 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Prothiofos | 34643-46-4 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Ethion | 563-12-2 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Carbophenothion | 786-19-6 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Azinphos Methyl | 86-50-0 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| EP075(SIM)B: Polynuclear Arom | atic Hydrocarbons | | | | | | | |
| Naphthalene | 91-20-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Acenaphthylene | 208-96-8 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Acenaphthene | 83-32-9 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Fluorene | 86-73-7 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Phenanthrene | 85-01-8 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Anthracene | 120-12-7 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Fluoranthene | 206-44-0 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |

Page : 16 of 27 Work Order : ES2234920 Client : REGIONAL GEOTECHNICAL SOLUTION Project : RGS32576.1 PROPOSED CARPARK B Upgrades



| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | TP-N8 0.05-0.1 | N-D1 | TP-S1 0.3-0.35 | TP-S2 0.2-0.3 | TP-S3 0.1-0.2 |
|---|--------------------|------------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Samplii | ng date / time | 29-Sep-2022 00:00 |
| Compound | CAS Number | LOR | Unit | ES2234920-026 | ES2234920-027 | ES2234920-028 | ES2234920-029 | ES2234920-030 |
| | | | | Result | Result | Result | Result | Result |
| EP075(SIM)B: Polynuclear Aromatic H | ydrocarbons - Cont | inued | | | | | | |
| Pyrene | 129-00-0 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Chrysene | 218-01-9 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(b+j)fluoranthene | 205-99-2 205-82-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(k)fluoranthene | 207-08-9 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(g.h.i)perylene | 191-24-2 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Sum of polycyclic aromatic hydrocarbon | s | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Benzo(a)pyrene TEQ (zero) | | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Benzo(a)pyrene TEQ (half LOR) | | 0.5 | mg/kg | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| ^ Benzo(a)pyrene TEQ (LOR) | | 0.5 | mg/kg | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| EP080/071: Total Petroleum Hydrocart | oons | | | | | | | |
| C6 - C9 Fraction | | 10 | mg/kg | <10 | <10 | <10 | <10 | <10 |
| C10 - C14 Fraction | | 50 | mg/kg | <50 | <50 | <50 | <50 | <50 |
| C15 - C28 Fraction | | 100 | mg/kg | <100 | <100 | <100 | <100 | <100 |
| C29 - C36 Fraction | | 100 | mg/kg | <100 | <100 | <100 | <100 | <100 |
| [^] C10 - C36 Fraction (sum) | | 50 | mg/kg | <50 | <50 | <50 | <50 | <50 |
| EP080/071: Total Recoverable Hydroca | arbons - NEPM 201 | 3 Fraction | າຣ | | | | | |
| C6 - C10 Fraction | C6_C10 | 10 | mg/kg | <10 | <10 | <10 | <10 | <10 |
| [^] C6 - C10 Fraction minus BTEX (F1) | C6_C10-BTEX | 10 | mg/kg | <10 | <10 | <10 | <10 | <10 |
| >C10 - C16 Fraction | | 50 | mg/kg | <50 | <50 | <50 | <50 | <50 |
| >C16 - C34 Fraction | | 100 | mg/kg | <100 | <100 | <100 | <100 | <100 |
| >C34 - C40 Fraction | | 100 | mg/kg | <100 | <100 | <100 | <100 | <100 |
| ^ >C10 - C40 Fraction (sum) | | 50 | mg/kg | <50 | <50 | <50 | <50 | <50 |
| ^ >C10 - C16 Fraction minus Naphthalene | | 50 | mg/kg | <50 | <50 | <50 | <50 | <50 |
| (F2) | | | | | | | | |
| EP080: BTEXN | | | | | | | | |
| Benzene | 71-43-2 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Toluene | 108-88-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Ethylbenzene | 100-41-4 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| meta- & para-Xylene | 108-38-3 106-42-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |

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|------------|--|
| Work Order | : ES2234920 |
| Client | : REGIONAL GEOTECHNICAL SOLUTION |
| Project | RGS32576.1 PROPOSED CARPARK B Upgrades |



| Sub-Matrix: SOIL (Matrix: SOIL) | | Sample ID | | TP-N8 0.05-0.1 | N-D1 | TP-S1 0.3-0.35 | TP-S2 0.2-0.3 | TP-S3 0.1-0.2 |
|------------------------------------|------------------|-----------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Sampli | ing date / time | 29-Sep-2022 00:00 |
| Compound | CAS Number | LOR | Unit | ES2234920-026 | ES2234920-027 | ES2234920-028 | ES2234920-029 | ES2234920-030 |
| | | | | Result | Result | Result | Result | Result |
| EP080: BTEXN - Continued | | | | | | | | |
| ortho-Xylene | 95-47-6 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Sum of BTEX | | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| ^ Total Xylenes | | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Naphthalene | 91-20-3 | 1 | mg/kg | <1 | <1 | <1 | <1 | <1 |
| EP066S: PCB Surrogate | | | | | | | | |
| Decachlorobiphenyl | 2051-24-3 | 0.1 | % | 99.7 | 76.1 | 74.0 | 99.3 | 88.9 |
| EP068S: Organochlorine Pesticid | le Surrogate | | | | | | | |
| Dibromo-DDE | 21655-73-2 | 0.05 | % | 88.1 | 72.8 | 72.3 | 94.7 | 86.4 |
| EP068T: Organophosphorus Pes | ticide Surrogate | | | | | | | |
| DEF | 78-48-8 | 0.05 | % | 92.6 | 78.1 | 75.3 | 60.5 | 96.5 |
| EP075(SIM)S: Phenolic Compour | d Surrogates | | | | | | | |
| Phenol-d6 | 13127-88-3 | 0.5 | % | 86.9 | 91.8 | 88.9 | 94.8 | 93.9 |
| 2-Chlorophenol-D4 | 93951-73-6 | 0.5 | % | 90.1 | 90.3 | 88.1 | 94.1 | 92.8 |
| 2.4.6-Tribromophenol | 118-79-6 | 0.5 | % | 62.5 | 62.5 | 60.2 | 61.4 | 62.6 |
| EP075(SIM)T: PAH Surrogates | | | | | | | | |
| 2-Fluorobiphenyl | 321-60-8 | 0.5 | % | 97.5 | 100 | 98.6 | 100 | 103 |
| Anthracene-d10 | 1719-06-8 | 0.5 | % | 95.6 | 93.2 | 96.9 | 97.9 | 98.0 |
| 4-Terphenyl-d14 | 1718-51-0 | 0.5 | % | 98.8 | 99.8 | 98.4 | 100.0 | 99.6 |
| EP080S: TPH(V)/BTEX Surrogates | s | | | | | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 0.2 | % | 97.2 | 74.4 | 80.6 | 77.1 | 78.0 |
| Toluene-D8 | 2037-26-5 | 0.2 | % | 86.9 | 80.8 | 88.3 | 79.9 | 87.4 |
| 4-Bromofluorobenzene | 460-00-4 | 0.2 | % | 76.0 | 77.3 | 84.8 | 81.2 | 84.0 |



| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | TP-S4 0.1-0.2 | TP-S5 0.1-0.2 | TP-S6 0.1-0.2 | TP-S7 0.1-0.2 | TP-S8 0.05-0.1 |
|---|------------|---------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Samplii | ng date / time | 29-Sep-2022 00:00 |
| Compound | CAS Number | LOR | Unit | ES2234920-031 | ES2234920-032 | ES2234920-033 | ES2234920-034 | ES2234920-035 |
| | | | | Result | Result | Result | Result | Result |
| EA055: Moisture Content (Dried @ [/] | 105-110°C) | | | | | | | |
| Moisture Content | | 1.0 | % | 12.3 | 17.6 | 13.6 | 33.1 | 14.7 |
| EG005(ED093)T: Total Metals by ICI | P-AES | | | | | | | |
| Arsenic | 7440-38-2 | 5 | mg/kg | 6 | 6 | 5 | 6 | <5 |
| Cadmium | 7440-43-9 | 1 | mg/kg | <1 | <1 | <1 | <1 | <1 |
| Chromium | 7440-47-3 | 2 | mg/kg | 28 | 26 | 22 | 21 | 23 |
| Copper | 7440-50-8 | 5 | mg/kg | 30 | 35 | 30 | 30 | 31 |
| Lead | 7439-92-1 | 5 | mg/kg | 22 | 27 | 12 | 22 | 9 |
| Nickel | 7440-02-0 | 2 | mg/kg | 25 | 21 | 18 | 18 | 14 |
| Zinc | 7440-66-6 | 5 | mg/kg | 63 | 71 | 52 | 85 | 63 |
| EG035T: Total Recoverable Mercur | | | | | | | | |
| Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| EP066: Polychlorinated Biphenyls (| | | | | | | | |
| Total Polychlorinated biphenyls | | 0.1 | mg/kg | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| EP068A: Organochlorine Pesticides | | | | | | | | |
| alpha-BHC | 319-84-6 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| beta-BHC | 319-85-7 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | < 0.05 |
| gamma-BHC | 58-89-9 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| delta-BHC | 319-86-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Heptachlor | 76-44-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Aldrin | 309-00-2 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| ^ Total Chlordane (sum) | | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Dieldrin | 60-57-1 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| 4.4`-DDE | 72-55-9 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Endrin | 72-20-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| beta-Endosulfan | 33213-65-9 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| ∖ Endosulfan (sum) | 115-29-7 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| 4.4`-DDD | 72-54-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Endrin aldehyde | 7421-93-4 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Endosulfan sulfate | 1031-07-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | < 0.05 |

| Page | : 19 of 27 |
|------------|--|
| Work Order | : ES2234920 |
| Client | : REGIONAL GEOTECHNICAL SOLUTION |
| Project | RGS32576.1 PROPOSED CARPARK B Upgrades |



| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | TP-S4 | TP-S5 | TP-S6 | TP-S7 | TP-S8 |
|------------------------------------|----------------------|------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | | | 0.1-0.2 | 0.1-0.2 | 0.1-0.2 | 0.1-0.2 | 0.05-0.1 |
| | | | ng date / time | 29-Sep-2022 00:00 |
| Compound | CAS Number | LOR | Unit | ES2234920-031 | ES2234920-032 | ES2234920-033 | ES2234920-034 | ES2234920-035 |
| | | | | Result | Result | Result | Result | Result |
| EP068A: Organochlorine Pestici | des (OC) - Continued | | | | | | | |
| 4.4`-DDT | 50-29-3 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Endrin ketone | 53494-70-5 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Methoxychlor | 72-43-5 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| ^ Sum of Aldrin + Dieldrin | 309-00-2/60-57-1 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| ^ Sum of DDD + DDE + DDT | 72-54-8/72-55-9/5 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| | 0-2 | | | | | | | |
| EP068B: Organophosphorus Pes | sticides (OP) | | | | | | | |
| Dichlorvos | 62-73-7 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Demeton-S-methyl | 919-86-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Monocrotophos | 6923-22-4 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Dimethoate | 60-51-5 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Diazinon | 333-41-5 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Chlorpyrifos-methyl | 5598-13-0 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Parathion-methyl | 298-00-0 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Malathion | 121-75-5 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Fenthion | 55-38-9 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Chlorpyrifos | 2921-88-2 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Parathion | 56-38-2 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Pirimphos-ethyl | 23505-41-1 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Chlorfenvinphos | 470-90-6 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Bromophos-ethyl | 4824-78-6 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Fenamiphos | 22224-92-6 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Prothiofos | 34643-46-4 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Ethion | 563-12-2 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Carbophenothion | 786-19-6 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| Azinphos Methyl | 86-50-0 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 |
| EP075(SIM)B: Polynuclear Arom | atic Hydrocarbons | | | | | | | |
| Naphthalene | 91-20-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Acenaphthylene | 208-96-8 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Acenaphthene | 83-32-9 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Fluorene | 86-73-7 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Phenanthrene | 85-01-8 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Anthracene | 120-12-7 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Fluoranthene | 206-44-0 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |

Page : 20 of 27 Work Order : ES2234920 Client : REGIONAL GEOTECHNICAL SOLUTION Project : RGS32576.1 PROPOSED CARPARK B Upgrades



| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | TP-S4 0.1-0.2 | TP-S5 0.1-0.2 | TP-S6 0.1-0.2 | TP-S7 0.1-0.2 | TP-S8 0.05-0.1 |
|---|--------------------|------------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Samplii | ng date / time | 29-Sep-2022 00:00 |
| Compound | CAS Number | LOR | Unit | ES2234920-031 | ES2234920-032 | ES2234920-033 | ES2234920-034 | ES2234920-035 |
| | | | | Result | Result | Result | Result | Result |
| EP075(SIM)B: Polynuclear Aromatic H | ydrocarbons - Cont | inued | | | | | | |
| Pyrene | 129-00-0 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Chrysene | 218-01-9 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(b+j)fluoranthene | 205-99-2 205-82-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(k)fluoranthene | 207-08-9 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Benzo(g.h.i)perylene | 191-24-2 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| [^] Sum of polycyclic aromatic hydrocarbon | s | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| [^] Benzo(a)pyrene TEQ (zero) | | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Benzo(a)pyrene TEQ (half LOR) | | 0.5 | mg/kg | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| ^ Benzo(a)pyrene TEQ (LOR) | | 0.5 | mg/kg | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| EP080/071: Total Petroleum Hydrocart | oons | | | | | | | |
| C6 - C9 Fraction | | 10 | mg/kg | <10 | <10 | <10 | <10 | <10 |
| C10 - C14 Fraction | | 50 | mg/kg | <50 | <50 | <50 | <50 | <50 |
| C15 - C28 Fraction | | 100 | mg/kg | <100 | <100 | <100 | 150 | <100 |
| C29 - C36 Fraction | | 100 | mg/kg | <100 | <100 | <100 | 140 | <100 |
| [^] C10 - C36 Fraction (sum) | | 50 | mg/kg | <50 | <50 | <50 | 290 | <50 |
| EP080/071: Total Recoverable Hydroca | arbons - NEPM 201 | 3 Fraction | าร | | | | | |
| C6 - C10 Fraction | C6_C10 | 10 | mg/kg | <10 | <10 | <10 | <10 | <10 |
| [^] C6 - C10 Fraction minus BTEX | C6_C10-BTEX | 10 | mg/kg | <10 | <10 | <10 | <10 | <10 |
| (F1) | | | | | | | | |
| >C10 - C16 Fraction | | 50 | mg/kg | <50 | <50 | <50 | <50 | <50 |
| >C16 - C34 Fraction | | 100 | mg/kg | <100 | 100 | <100 | 200 | <100 |
| >C34 - C40 Fraction | | 100 | mg/kg | <100 | <100 | <100 | 150 | <100 |
| ^ >C10 - C40 Fraction (sum) | | 50 | mg/kg | <50 | 100 | <50 | 350 | <50 |
| ^ >C10 - C16 Fraction minus Naphthalene | | 50 | mg/kg | <50 | <50 | <50 | <50 | <50 |
| (F2) | | | | | | | | |
| EP080: BTEXN | | | | | | | | |
| Benzene | 71-43-2 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| Toluene | 108-88-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Ethylbenzene | 100-41-4 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| meta- & para-Xylene | 108-38-3 106-42-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |

| Page | : 21 of 27 |
|------------|--|
| Work Order | : ES2234920 |
| Client | : REGIONAL GEOTECHNICAL SOLUTION |
| Project | RGS32576.1 PROPOSED CARPARK B Upgrades |



| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | TP-S4 0.1-0.2 | TP-S5 0.1-0.2 | TP-S6 0.1-0.2 | TP-S7 0.1-0.2 | TP-S8 0.05-0.1 |
|------------------------------------|------------------|--------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Sampli | ing date / time | 29-Sep-2022 00:00 |
| Compound | CAS Number | LOR | Unit | ES2234920-031 | ES2234920-032 | ES2234920-033 | ES2234920-034 | ES2234920-035 |
| | | | | Result | Result | Result | Result | Result |
| EP080: BTEXN - Continued | | | | | | | | |
| ortho-Xylene | 95-47-6 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| ^ Sum of BTEX | | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| ^ Total Xylenes | | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Naphthalene | 91-20-3 | 1 | mg/kg | <1 | <1 | <1 | <1 | <1 |
| EP066S: PCB Surrogate | | | | | | | | |
| Decachlorobiphenyl | 2051-24-3 | 0.1 | % | 90.8 | 86.0 | 78.1 | 101 | 92.7 |
| EP068S: Organochlorine Pesticid | le Surrogate | | | | | | | |
| Dibromo-DDE | 21655-73-2 | 0.05 | % | 86.8 | 88.8 | 69.1 | 88.5 | 83.9 |
| EP068T: Organophosphorus Pes | ticide Surrogate | | | | | | | |
| DEF | 78-48-8 | 0.05 | % | 104 | 120 | 93.8 | 117 | 88.7 |
| EP075(SIM)S: Phenolic Compour | nd Surrogates | | | | | | | |
| Phenol-d6 | 13127-88-3 | 0.5 | % | 94.8 | 95.1 | 90.7 | 94.6 | 89.4 |
| 2-Chlorophenol-D4 | 93951-73-6 | 0.5 | % | 95.4 | 96.4 | 93.4 | 92.6 | 88.7 |
| 2.4.6-Tribromophenol | 118-79-6 | 0.5 | % | 60.1 | 72.1 | 63.5 | 72.6 | 63.9 |
| EP075(SIM)T: PAH Surrogates | | | | | | | | |
| 2-Fluorobiphenyl | 321-60-8 | 0.5 | % | 98.3 | 104 | 102 | 102 | 97.2 |
| Anthracene-d10 | 1719-06-8 | 0.5 | % | 104 | 97.3 | 97.8 | 93.8 | 92.2 |
| 4-Terphenyl-d14 | 1718-51-0 | 0.5 | % | 103 | 100 | 100 | 97.8 | 94.9 |
| EP080S: TPH(V)/BTEX Surrogates | s | | | | | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 0.2 | % | 80.0 | 85.6 | 81.6 | 74.9 | 82.1 |
| Toluene-D8 | 2037-26-5 | 0.2 | % | 84.9 | 96.4 | 95.2 | 83.5 | 94.4 |
| 4-Bromofluorobenzene | 460-00-4 | 0.2 | % | 78.8 | 89.3 | 87.7 | 76.5 | 87.0 |

Page : 22 of 27 Work Order : ES2234920 Client : REGIONAL GEOTECHNICAL SOLUTION Project : RGS32576.1 PROPOSED CARPARK B Upgrades



| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | TP-S9 0.1-0.2 | TP-S10 0.1-0.2 | S-D1 0.1-0.2 | |
|------------------------------------|-------------|---------|----------------|-------------------|-------------------|-------------------|------|
| | | Samplii | ng date / time | 29-Sep-2022 00:00 | 29-Sep-2022 00:00 | 29-Sep-2022 00:00 | |
| Compound | CAS Number | LOR | Unit | ES2234920-036 | ES2234920-037 | ES2234920-038 | |
| | | | | Result | Result | Result | |
| EA055: Moisture Content (Dried @ | 105-110°C) | | | | | | |
| Moisture Content | | 1.0 | % | 15.4 | 24.1 | 17.8 | |
| EG005(ED093)T: Total Metals by IC | P-AES | | | | | | |
| Arsenic | 7440-38-2 | 5 | mg/kg | <5 | <5 | 6 | |
| Cadmium | 7440-43-9 | 1 | mg/kg | <1 | <1 | <1 | |
| Chromium | 7440-47-3 | 2 | mg/kg | 28 | 13 | 24 | |
| Copper | 7440-50-8 | 5 | mg/kg | 30 | 44 | 34 | |
| Lead | 7439-92-1 | 5 | mg/kg | 14 | 12 | 22 | |
| Nickel | 7440-02-0 | 2 | mg/kg | 25 | 11 | 21 | |
| Zinc | 7440-66-6 | 5 | mg/kg | 60 | 90 | 67 | |
| EG035T: Total Recoverable Mercu | iry by FIMS | | | | | | |
| Mercury | 7439-97-6 | 0.1 | mg/kg | <0.1 | <0.1 | <0.1 | |
| EP066: Polychlorinated Biphenyls | (PCB) | | | | | | |
| Total Polychlorinated biphenyls | | 0.1 | mg/kg | <0.1 | <0.1 | <0.1 | |
| EP068A: Organochlorine Pesticide | es (OC) | | | | | | |
| alpha-BHC | 319-84-6 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Hexachlorobenzene (HCB) | 118-74-1 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| beta-BHC | 319-85-7 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| gamma-BHC | 58-89-9 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| delta-BHC | 319-86-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Heptachlor | 76-44-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Aldrin | 309-00-2 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Heptachlor epoxide | 1024-57-3 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| ^ Total Chlordane (sum) | | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| trans-Chlordane | 5103-74-2 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| alpha-Endosulfan | 959-98-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| cis-Chlordane | 5103-71-9 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Dieldrin | 60-57-1 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| 4.4`-DDE | 72-55-9 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Endrin | 72-20-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| beta-Endosulfan | 33213-65-9 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| ^ Endosulfan (sum) | 115-29-7 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| 4.4`-DDD | 72-54-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Endrin aldehyde | 7421-93-4 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Endosulfan sulfate | 1031-07-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |

Page : 23 of 27 Work Order : ES2234920 Client : REGIONAL GEOTECHNICAL SOLUTION Project : RGS32576.1 PROPOSED CARPARK B Upgrades



| Sub-Matrix: SOIL | | | Sample ID | TP-S9 | TP-S10 | S-D1 | |
|---------------------------------|----------------------|---------|----------------|-------------------|-------------------|-------------------|------|
| (Matrix: SOIL) | | | | 0.1-0.2 | 0.1-0.2 | 0.1-0.2 | |
| | | Samplii | ng date / time | 29-Sep-2022 00:00 | 29-Sep-2022 00:00 | 29-Sep-2022 00:00 | |
| Compound | CAS Number | LOR | Unit | ES2234920-036 | ES2234920-037 | ES2234920-038 | |
| | | | | Result | Result | Result | |
| EP068A: Organochlorine Pesticie | des (OC) - Continued | | | | | | |
| 4.4`-DDT | 50-29-3 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | |
| Endrin ketone | 53494-70-5 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Methoxychlor | 72-43-5 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | |
| ^ Sum of Aldrin + Dieldrin | 309-00-2/60-57-1 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| ^ Sum of DDD + DDE + DDT | 72-54-8/72-55-9/5 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| | 0-2 | | | | | | |
| EP068B: Organophosphorus Pes | sticides (OP) | | | | | | |
| Dichlorvos | 62-73-7 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Demeton-S-methyl | 919-86-8 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Monocrotophos | 6923-22-4 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | |
| Dimethoate | 60-51-5 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Diazinon | 333-41-5 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Chlorpyrifos-methyl | 5598-13-0 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Parathion-methyl | 298-00-0 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | |
| Malathion | 121-75-5 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Fenthion | 55-38-9 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Chlorpyrifos | 2921-88-2 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Parathion | 56-38-2 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | |
| Pirimphos-ethyl | 23505-41-1 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Chlorfenvinphos | 470-90-6 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Bromophos-ethyl | 4824-78-6 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Fenamiphos | 22224-92-6 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Prothiofos | 34643-46-4 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Ethion | 563-12-2 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Carbophenothion | 786-19-6 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| Azinphos Methyl | 86-50-0 | 0.05 | mg/kg | <0.05 | <0.05 | <0.05 | |
| EP075(SIM)B: Polynuclear Aroma | atic Hydrocarbons | | | | | | |
| Naphthalene | 91-20-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |
| Acenaphthylene | 208-96-8 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |
| Acenaphthene | 83-32-9 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |
| Fluorene | 86-73-7 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |
| Phenanthrene | 85-01-8 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |
| Anthracene | 120-12-7 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |
| Fluoranthene | 206-44-0 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |

Page : 24 of 27 Work Order : ES2234920 Client : REGIONAL GEOTECHNICAL SOLUTION Project : RGS32576.1 PROPOSED CARPARK B Upgrades



| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | TP-S9 0.1-0.2 | TP-S10 0.1-0.2 | S-D1 0.1-0.2 | |
|---|--------------------|------------|----------------|-------------------|-------------------|-------------------|------|
| | | Samplii | ng date / time | 29-Sep-2022 00:00 | 29-Sep-2022 00:00 | 29-Sep-2022 00:00 | |
| Compound | CAS Number | LOR | Unit | ES2234920-036 | ES2234920-037 | ES2234920-038 | |
| | | | | Result | Result | Result | |
| EP075(SIM)B: Polynuclear Aromatic H | ydrocarbons - Cont | inued | | | | | |
| Pyrene | 129-00-0 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |
| Benz(a)anthracene | 56-55-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |
| Chrysene | 218-01-9 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |
| Benzo(b+j)fluoranthene | 205-99-2 205-82-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |
| Benzo(k)fluoranthene | 207-08-9 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |
| Benzo(a)pyrene | 50-32-8 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |
| Indeno(1.2.3.cd)pyrene | 193-39-5 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |
| Dibenz(a.h)anthracene | 53-70-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |
| Benzo(g.h.i)perylene | 191-24-2 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |
| ^ Sum of polycyclic aromatic hydrocarbon | s | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |
| ^ Benzo(a)pyrene TEQ (zero) | | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |
| ^ Benzo(a)pyrene TEQ (half LOR) | | 0.5 | mg/kg | 0.6 | 0.6 | 0.6 | |
| ^ Benzo(a)pyrene TEQ (LOR) | | 0.5 | mg/kg | 1.2 | 1.2 | 1.2 | |
| EP080/071: Total Petroleum Hydrocarl | oons | | | | | | |
| C6 - C9 Fraction | | 10 | mg/kg | <10 | <10 | <10 | |
| C10 - C14 Fraction | | 50 | mg/kg | <50 | <50 | <50 | |
| C15 - C28 Fraction | | 100 | mg/kg | <100 | <100 | <100 | |
| C29 - C36 Fraction | | 100 | mg/kg | <100 | <100 | <100 | |
| ^ C10 - C36 Fraction (sum) | | 50 | mg/kg | <50 | <50 | <50 | |
| EP080/071: Total Recoverable Hydroc | arbons - NEPM 201 | 3 Fraction | าร | | | | |
| C6 - C10 Fraction | C6_C10 | 10 | mg/kg | <10 | <10 | <10 | |
| [^] C6 - C10 Fraction minus BTEX (F1) | C6_C10-BTEX | 10 | mg/kg | <10 | <10 | <10 | |
| >C10 - C16 Fraction | | 50 | mg/kg | <50 | <50 | <50 | |
| >C16 - C34 Fraction | | 100 | mg/kg | <100 | <100 | <100 | |
| >C34 - C40 Fraction | | 100 | mg/kg | <100 | <100 | <100 | |
| ^ >C10 - C40 Fraction (sum) | | 50 | mg/kg | <50 | <50 | <50 | |
| ^ >C10 - C16 Fraction minus Naphthalene | | 50 | mg/kg | <50 | <50 | <50 | |
| (F2) | | | | | | | |
| EP080: BTEXN | | | | | | | |
| Benzene | 71-43-2 | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | |
| Toluene | 108-88-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |
| Ethylbenzene | 100-41-4 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |
| meta- & para-Xylene | 108-38-3 106-42-3 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |

| Page | : 25 of 27 |
|------------|--|
| Work Order | : ES2234920 |
| Client | : REGIONAL GEOTECHNICAL SOLUTION |
| Project | RGS32576.1 PROPOSED CARPARK B Upgrades |



| Sub-Matrix: SOIL (Matrix: SOIL) | | | Sample ID | TP-S9 0.1-0.2 | TP-S10 0.1-0.2 | S-D1 0.1-0.2 | |
|------------------------------------|------------------|--------|-----------------|-------------------|-------------------|-------------------|------|
| | | Sampli | ing date / time | 29-Sep-2022 00:00 | 29-Sep-2022 00:00 | 29-Sep-2022 00:00 | |
| Compound | CAS Number | LOR | Unit | ES2234920-036 | ES2234920-037 | ES2234920-038 | |
| | | | | Result | Result | Result | |
| EP080: BTEXN - Continued | | | | | | | |
| ortho-Xylene | 95-47-6 | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |
| ^ Sum of BTEX | | 0.2 | mg/kg | <0.2 | <0.2 | <0.2 | |
| ^ Total Xylenes | | 0.5 | mg/kg | <0.5 | <0.5 | <0.5 | |
| Naphthalene | 91-20-3 | 1 | mg/kg | <1 | <1 | <1 | |
| EP066S: PCB Surrogate | | | | | | | |
| Decachlorobiphenyl | 2051-24-3 | 0.1 | % | 114 | 104 | 101 | |
| EP068S: Organochlorine Pesticio | de Surrogate | | | | | | |
| Dibromo-DDE | 21655-73-2 | 0.05 | % | 103 | 95.5 | 94.4 | |
| EP068T: Organophosphorus Pes | ticide Surrogate | | | | | | |
| DEF | 78-48-8 | 0.05 | % | 93.5 | 96.0 | 92.2 | |
| EP075(SIM)S: Phenolic Compour | nd Surrogates | | | | | | |
| Phenol-d6 | 13127-88-3 | 0.5 | % | 102 | 94.6 | 91.2 | |
| 2-Chlorophenol-D4 | 93951-73-6 | 0.5 | % | 101 | 95.0 | 91.4 | |
| 2.4.6-Tribromophenol | 118-79-6 | 0.5 | % | 68.8 | 64.2 | 67.3 | |
| EP075(SIM)T: PAH Surrogates | | | | | | | |
| 2-Fluorobiphenyl | 321-60-8 | 0.5 | % | 96.3 | 103 | 100 | |
| Anthracene-d10 | 1719-06-8 | 0.5 | % | 102 | 99.8 | 96.3 | |
| 4-Terphenyl-d14 | 1718-51-0 | 0.5 | % | 106 | 104 | 98.3 | |
| EP080S: TPH(V)/BTEX Surrogate | s | | | | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 0.2 | % | 79.8 | 75.6 | 84.0 | |
| Toluene-D8 | 2037-26-5 | 0.2 | % | 88.5 | 87.2 | 99.7 | |
| 4-Bromofluorobenzene | 460-00-4 | 0.2 | % | 82.9 | 83.8 | 91.4 | |



Descriptive Results

Sub-Matrix: SOIL

| Method: Compound | Sample ID - Sampling date / time | Analytical Results |
|---|-----------------------------------|--------------------|
| EA200: AS 4964 - 2004 Identification of | f Asbestos in Soils | |
| EA200: Description | TP-N10.05-0.1 - 29-Sep-2022 00:00 | Soil sample. |
| EA200: Description | TP-N20.05-0.1 - 29-Sep-2022 00:00 | Soil sample. |
| EA200: Description | TP-N30.9-1 - 29-Sep-2022 00:00 | Soil sample. |
| EA200: Description | TP-N40.1-0.2 - 29-Sep-2022 00:00 | Soil sample. |
| EA200: Description | TP-N50.05-0.1 - 29-Sep-2022 00:00 | Soil sample. |
| EA200: Description | TP-N60.1-0.2 - 29-Sep-2022 00:00 | Soil sample. |
| EA200: Description | TP-N70.05-0.1 - 29-Sep-2022 00:00 | Soil sample. |
| EA200: Description | TP-N80.05-0.1 - 29-Sep-2022 00:00 | Soil sample. |
| EA200: Description | TP-S10.3-0.35 - 29-Sep-2022 00:00 | Soil sample. |
| EA200: Description | TP-S20.2-0.3 - 29-Sep-2022 00:00 | Soil sample. |
| EA200: Description | TP-S30.1-0.2 - 29-Sep-2022 00:00 | Soil sample. |
| EA200: Description | TP-S40.1-0.2 - 29-Sep-2022 00:00 | Soil sample. |
| EA200: Description | TP-S50.1-0.2 - 29-Sep-2022 00:00 | Soil sample. |
| EA200: Description | TP-S60.1-0.2 - 29-Sep-2022 00:00 | Soil sample. |
| EA200: Description | TP-S70.1-0.2 - 29-Sep-2022 00:00 | Soil sample. |
| EA200: Description | TP-S80.05-0.1 - 29-Sep-2022 00:00 | Soil sample. |
| EA200: Description | TP-S90.1-0.2 - 29-Sep-2022 00:00 | Soil sample. |
| EA200: Description | TP-S100.1-0.2 - 29-Sep-2022 00:00 | Soil sample. |



Surrogate Control Limits

| Sub-Matrix: SOIL | | Recovery | Limits (%) |
|------------------------------------|--------------|----------|------------|
| Compound | CAS Number | Low | High |
| EP066S: PCB Surrogate | | | |
| Decachlorobiphenyl | 2051-24-3 | 39 | 149 |
| EP068S: Organochlorine Pesticide S | urrogate | | |
| Dibromo-DDE | 21655-73-2 | 49 | 147 |
| EP068T: Organophosphorus Pesticio | de Surrogate | | |
| DEF | 78-48-8 | 35 | 143 |
| EP075(SIM)S: Phenolic Compound S | urrogates | | |
| Phenol-d6 | 13127-88-3 | 63 | 123 |
| 2-Chlorophenol-D4 | 93951-73-6 | 66 | 122 |
| 2.4.6-Tribromophenol | 118-79-6 | 40 | 138 |
| EP075(SIM)T: PAH Surrogates | | | |
| 2-Fluorobiphenyl | 321-60-8 | 70 | 122 |
| Anthracene-d10 | 1719-06-8 | 66 | 128 |
| 4-Terphenyl-d14 | 1718-51-0 | 65 | 129 |
| EP080S: TPH(V)/BTEX Surrogates | | | |
| 1.2-Dichloroethane-D4 | 17060-07-0 | 73 | 133 |
| Toluene-D8 | 2037-26-5 | 74 | 132 |
| 4-Bromofluorobenzene | 460-00-4 | 72 | 130 |

Inter-Laboratory Testing

Analysis conducted by ALS Newcastle, NATA accreditation no. 825, site no. 1656 (Chemistry) 9854 (Biology).

(SOIL) EA200: AS 4964 - 2004 Identification of Asbestos in Soils

RESULTS OF SOIL ANALYSIS

2 samples supplied by Regional Geotechnical Solutions Pty Ltd on 30/09/2022. Lab Job No. N3232. Samples submitted by Louis Davidson. Your Job: RGS32576.1. 1/21 Cook Drive COFFS HARBOUR NSW 2450

| | Method | Sample 1 N-T1 0.1-0.2m | Sample 2 S-T1 0.1-0.2m |
|--|--|---------------------------|---------------------------|
| | Job No. | N3232/1 | N3232/2 |
| | | _ | _ |
| Arsenic (mg/kg) | 1:3 Nitric/HCl digest - APHA 3125 ICPMS | 9 | 7 |
| Lead (mg/kg) | 1:3 Nitric/HCl digest - APHA 3125 ICPMS | 31 | 23 |
| Cadmium (mg/kg) | 1:3 Nitric/HCl digest - APHA 3125 ICPMS | <0.5 | <0.5 |
| Chromium (mg/kg) | 1:3 Nitric/HCl digest - APHA 3125 ICPMS | 19 | 26 |
| Copper (mg/kg) | 1:3 Nitric/HCl digest - APHA 3125 ICPMS | 29 | 35 |
| Nickel (mg/kg) | 1:3 Nitric/HCl digest - APHA 3125 ICPMS | 15 | 23 |
| Zinc (mg/kg) | 1:3 Nitric/HCl digest - APHA 3125 ICPMS | 96 | 73 |
| Mercury (mg/kg) | 1:3 Nitric/HCl digest - APHA 3125 ICPMS | <0.1 | <0.1 |
| vercury (mg/kg) | 1.5 Nitric/ HCI digest - APHA 3125 ICPMS | \U.1 | \$0.1 |
| PESTICIDE ANALYSIS SCREEN | | | |
| Hexachlorobenzene (HCB) (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| Alpha BHC (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| indane (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| Heptachlor (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| Aldrin (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 <0.1 | <0.1 <0.1 |
| 3eta BHC (mg/kg) Delta BHC (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| Heptachlor epoxide (mg/kg) | Subcontracted: SGS report SE 237445 Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| p,p'-DDE (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| lpha Endosulfan (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.2 |
| Gamma Chlordane (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| Alpha Chlordane (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| rans-Nonachlor (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| p,p'-DDE (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| Dieldrin (mg/kg) | Subcontracted: SGS report SE 237445 | <0.2 | <0.2 |
| ndrin (mg/kg) | Subcontracted: SGS report SE 237445 | <0.2 | <0.2 |
| p,p'-DDD (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| p,p'-DDT (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| Beta Endosulfan (mg/kg) | Subcontracted: SGS report SE 237445 | <0.2 | <0.2 |
| p,p'-DDD (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| p,p'-DDT (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| ndosulfan sulphate (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| ndrin Aldehyde (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 <0.1 | <0.1 <0.1 |
| Aethoxychlor (mg/kg) | Subcontracted: SGS report SE 237445 Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| Endrin Ketone (mg/kg) sodrin (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| Mirex (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| Total CLP OC Pesticides (mg/kg) | Subcontracted: SGS report SE 237445 | <1 | <1 |
| Fotal OC VIC EPA (mg/kg) | Subcontracted: SGS report SE 237445 | <1 | <1 |
| | | | 0.5 |
| Dichlorvos (mg/kg) | Subcontracted: SGS report SE 237445 | <0.5 | <0.5 |
| Dimethoate (mg/kg) | Subcontracted: SGS report SE 237445 | <0.5 <0.5 | <0.5 <0.5 |
| Diazinon (Dimpylate) (mg/kg) Fenitrothion (mg/kg) | Subcontracted: SGS report SE 237445 | <0.3 | <0.3 |
| Aalathion (mg/kg) | Subcontracted: SGS report SE 237445 Subcontracted: SGS report SE 237445 | <0.2 | <0.2 |
| Chlorpyrifos (Chlorpyrifos Ethyl) (mg/kg) | Subcontracted: SGS report SE 237445 | <0.2 | <0.2 |
| Parathion-ethyl (Parathion) (mg/kg) | Subcontracted: SGS report SE 237445 | <0.2 | <0.2 |
| Bromophos Ethyl (mg/kg) | Subcontracted: SGS report SE 237445 | <0.2 | <0.2 |
| Methidathion (mg/kg) | Subcontracted: SGS report SE 237445 | <0.5 | <0.5 |
| Ethion (mg/kg) | Subcontracted: SGS report SE 237445 | <0.2 | <0.2 |
| zinphos-methyl (Guthion) (mg/kg) | Subcontracted: SGS report SE 237445 | <0.2 | <0.2 |
| Total OP Pesticides (mg/kg) | Subcontracted: SGS report SE 237445 | <1.7 | <1.7 |
| Arochlor 1016 (mg/kg) | Subcontracted: SGS report SE 237445 | <0.2 | <0.2 |
| Arochlor 1221 (mg/kg) | Subcontracted: SGS report SE 237445 | <0.2 | <0.2 |
| Arochlor 1222 (mg/kg) | Subcontracted: SGS report SE 237445 | <0.2 | <0.2 |
| Arochlor 1242 (mg/kg) | Subcontracted: SGS report SE 237445 | <0.2 | <0.2 |
| Arochlor 1248 (mg/kg) | Subcontracted: SGS report SE 237445 | <0.2 | <0.2 |
| vrochlor 1254 (mg/kg) | Subcontracted: SGS report SE 237445 | <0.2 | <0.2 |
| Arochlor 1260 (mg/kg) | Subcontracted: SGS report SE 237445 | <0.2 | <0.2 |
| Arochlor 1262 (mg/kg) | Subcontracted: SGS report SE 237445 | <0.2 | <0.2 |
| rochlor 1268 (mg/kg) | Subcontracted: SGS report SE 237445 | <0.2 | <0.2 |
| Total PCBs (Arochlors) (mg/kg) | Subcontracted: SGS report SE 237445 | <1 | <1 |
| HYDROCARBON ANALYSIS RESULTS | | | |
| BTEX | | | |
| Benzene (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| oluene (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| Ethylbenzene (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| n/p-xylene (mg/kg) | Subcontracted: SGS report SE 237445 | <0.2 | <0.2 |
| p-xylene (mg/kg) | Subcontracted: SGS report SE 237445 Subcontracted: SGS report SE 237445 | <0.2 | <0.2 |
| Fotal Xylenes (mg/kg) | Subcontracted: SGS report SE 237445 Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| otal Aylenes (mg/kg) otal BTEX (mg/kg) | Subcontracted: SGS report SE 237445 Subcontracted: SGS report SE 237445 | <0.5 | <0.5 |
| Japhthalene (VOC) (mg/kg) | Subcontracted: SGS report SE 237445 Subcontracted: SGS report SE 237445 | <0.0 | <0.0 |
| | | | -0.1 |
| Total Recoverable Hydrocarbons | | | <u>^-</u> |
| Benzene (F0) (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 |
| TRH C6-C9 (mg/kg) | Subcontracted: SGS report SE 237445 | <20 | <20 |
| FRH C6-C10 (mg/kg) | Subcontracted: SGS report SE 237445 | <25 | <25 |
| TRH C6-C10 minus BTEX (F1) (mg/kg) | Subcontracted: SGS report SE 237445 | <25 | <25 |
| FRH C10-C14 (mg/kg) | Subcontracted: SGS report SE 237445 | <20 | <20 |
| | 5455511145164, 505 report 3E 23/445 | -20 | -20 |

RESULTS OF SOIL ANALYSIS

2 samples supplied by Regional Geotechnical Solutions Pty Ltd on 30/09/2022. Lab Job No. N3232.

Samples submitted by Louis Davidson. Your Job: RGS32576.1. 1/21 Cook Drive COFFS HARBOUR NSW 2450

| | | Sample 1 | Sample 2 | |
|---|-------------------------------------|---------------|---------------|--|
| | Method | N-T1 0.1-0.2m | S-T1 0.1-0.2m | |
| | Job No. | N3232/1 | N3232/2 | |
| | | | | |
| TRH C29-C36 (mg/kg) | Subcontracted: SGS report SE 237445 | <45 | 71 | |
| TRH C37-C40 (mg/kg) | Subcontracted: SGS report SE 237445 | <100 | <100 | |
| TRH >C10-C16 (mg/kg) | Subcontracted: SGS report SE 237445 | <25 | <25 | |
| TRH >C10-C16 - Naphthalene (F2) (mg/kg) | Subcontracted: SGS report SE 237445 | <25 | <25 | |
| TRH >C16-C34 (F3) (mg/kg) | Subcontracted: SGS report SE 237445 | <90 | 96 | |
| TRH >C34-C40 (F4) (mg/kg) | Subcontracted: SGS report SE 237445 | <120 | <120 | |
| TRH C10-C36 Total (mg/kg) | Subcontracted: SGS report SE 237445 | <110 | 130 | |
| TRH >C10-C40 Total (F bands) (mg/kg) | Subcontracted: SGS report SE 237445 | <210 | <210 | |
| Polynuclear Aromatic Hydrocarbons (PAH) | | | | |
| Naphthalene (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 | |
| 2-methylnaphthalene (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 | |
| 1-methylnaphthalene (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 | |
| Acenaphthylene (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | 0.1 | |
| Acenaphthene (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 | |
| Fluorene (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 | |
| Phenanthrene (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 | |
| Anthracene (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 | |
| Fluoranthene (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | 0.2 | |
| Pyrene (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | 0.3 | |
| Benzo(a)anthracene (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | 0.3 | |
| Chrysene (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | 0.3 | |
| Benzo(b&j)fluoranthene (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | 0.4 | |
| Benzo(k)fluoranthene (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | 0.2 | |
| Benzo(a)pyrene (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | 0.3 | |
| Indeno(1,2,3-cd)pyrene (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | 0.2 | |
| Dibenzo(ah)anthracene (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | <0.1 | |
| Benzo(ghi)perylene (mg/kg) | Subcontracted: SGS report SE 237445 | <0.1 | 0.2 | |
| Carcinogenic PAHs, BaP TEQ <lor=0 (mg="" (teq="" kg))<="" td=""><td>Subcontracted: SGS report SE 237445</td><td><0.2</td><td>0.4</td></lor=0> | Subcontracted: SGS report SE 237445 | <0.2 | 0.4 | |
| Carcinogenic PAHs, BaP TEQ <lor=lor (mg="" (teq="" kg))<="" td=""><td>Subcontracted: SGS report SE 237445</td><td><0.3</td><td>0.5</td></lor=lor> | Subcontracted: SGS report SE 237445 | <0.3 | 0.5 | |
| Carcinogenic PAHs, BaP TEQ <lor=lor (mg="" (teq="" 2="" kg))<="" td=""><td>Subcontracted: SGS report SE 237445</td><td><0.2</td><td>0.5</td></lor=lor> | Subcontracted: SGS report SE 237445 | <0.2 | 0.5 | |
| Total PAH (18) (mg/kg) | Subcontracted: SGS report SE 237445 | <0.8 | 2.6 | |
| Total PAH (NEPM/WHO 16) (mg/kg) | Subcontracted: SGS report SE 237445 | <0.8 | 2.6 | |

Notes:

1. ppm = mg/Kg dried sample

2. All results as dry weight DW - samples were dried at 40oC for 24-48hrs prior to crushing and analysis.

3. Methods from Rayment and Lyons, Soil Chemical Methods - Australasia

4. Metals analysed by ICP-MS (Inductively Coupled Plasma - Mass Spectrometry)

5. In SGS Pesticide Analysis Screening the following pesticides are included: Organochlorine pesticide (OC's) screen: (HCB, alpha-BHC, g

(HCB, alpha-BHC, gamma-BHC, Lindane, Heptachlor, Aldrin, beta-BHC, delta-BHC, Heptachlor epoxide, op-DDE, alpha-Endosulfan, alpha-Chlordane, trans-Nonachlor, pp-DDD, pp-DDT, Endosulfan sulphate, Endrin Aldehyde, Methoxychlor, Endrin Ketone, Isodrin, Mirex)

Organophosphorus pesticide (OP's) screen: (Diazinon, Dimethoate, Dichlorvos, Fenitrothion, Malathion, Chlorpyrifos Ethyl, Parathion Ethyl, Bromophos Ethyl, Methidathion, Anzinphos-methyl (Guthion), Ethion) 6. Analysis conducted between sample arrival date and reporting date.

7. ** NATA accreditation does not cover the performance of this service.

8. .. Denotes not requested.

9. This report is not to be reproduced except in full.

10. All services undertaken by EAL are covered by the EAL Laboratory Services Terms and Conditions (refer SCU.edu.au/eal/t&cs or on request).

11. Results relate only to the samples tested.

12. This report was issued on 13/10/2022.







Appendix D

Letter from Dr David Tully CEnvP SC

Regional Geotechnical Solutions RGS32576.1-AR 19 October 2022

Contaminated Land Solutions

24 October 2022

Ref: 0177.L04

Regional Geotechnical Solutions Pty Ltd 2 Murray Circuit Mayfield West NSW 2304

For the attention of Louis Davidson

Dear Louis,

RE: Report Review Stage 1 & Stage 2 Site Contamination Assessment –Tamworth Health Service Redevelopment: On-grade Carparks, Dean Street, Tamworth

I, Dr David Tully of Contaminated Land Solutions Pty Ltd, am a Certified Environmental Practitioner Site Contamination Specialist (General Certified Environmental Practitioner certification no. 1138 and Site Contamination Specialist certification no. SC40084).

I confirm I have reviewed the Regional Geotechnical Solutions report entitled "Stage 1 & Stage 2 Site Contamination Assessment – *Tamworth Health Service Redevelopment: On-grade Carparks, Dean Street, Tamworth*" (Ref: RGS32576.1-AR), dated 19 October 2022 and a copy of which I have retained.

I can confirm that on the basis of the information contained within the report, I support the conclusions and recommendations provided therein.

Should the client, regulator or local authority have any queries regarding the report review, I can be contacted by e-mail via <u>david.tully@contaminatedlandsolutions.com.au</u>. Specific queries regarding the content of the report should be addressed to Louis Davidson at Regional Geotechnical Solutions.

For and on behalf of Contaminated Land Solutions Pty Ltd

Dr David Tully CEnvP SC Director Contaminated Land Solutions Pty Ltd





Contaminated Land Solutions Pty Ltd 10 Heath Road Crafers West SA 5152 0410 012 292 david.tully@contaminatedlandsolutions.com.au