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## **RE: Detailed Scope of Methodology for Non-friable and Concrete Slab Removal - 42-50 Parramatta Road, Forest Lodge NSW**

### **1. Introduction**

At the request of Mr Seng Chea of Kane Constructions Pty Ltd ('the client'), El Australia (El) have been asked to prepare a detailed scope of methodology for 42-50 Parramatta Road, Forest Lodge NSW ('the site') in preparation for ongoing remediation works.

The purpose of this document is to outline the appropriate procedures to be implemented during the ongoing demolition of existing site concrete slabs, the removal of non-friable asbestos impacted materials (i.e. fibre cement sheeting) and validation processes.

The site is located within the Local Government Authority of City of Sydney (Council) (**Figure 1**) and is situated on the northern side of Parramatta Road (**Figure 2**).

This document follows on from previous works completed at the site by El and Airsafe and should be read in conjunction with the following reports:

- El Australia (2021a) *Asbestos Sample Analysis – 42-50 Parramatta Road, Forest Lodge*, ref: E25060.E99.001\_Rev0, dated 25 October 2021;
- El Australia (2021b) *Asbestos Inspection and Sample Analysis – 42-50 Parramatta Road, Forest Lodge*, ref: E25060.E99.002\_Rev0, dated 19 November 2021;
- El Australia (2021c) *Asbestos Management Plan – 42-50 Parramatta Road, Forest Lodge*, ref: E25060.E12\_Rev0, dated 3 December 2021;
- Airsafe (2022) *Clearance Certificate – 50 Parramatta Road, Forest Lodge*, Job Ref: 60609, dated 6 January 2022;
- El Australia (2022a) *Asbestos Sample Analysis – 42-50 Parramatta Road, Forest Lodge*, ref: E25060.E99.003\_Rev0, dated 18 January 2022; and

- El Australia (2022b) *Asbestos Removal Works associated with the Western Shoring Wall Trench (Stage 1) and demolition of the Concrete Slab, 42-50 Parramatta Road, Forest Lodge NSW*, ref: E25060.E99.007\_Rev2, dated 11 February 2022.

## 2. Works Methodology

### ACM Slab Removal Procedure

The scope of works covered in this specification includes the demolition of the concrete slab, within non-friable areas, and the removal of the resultant debris (**Figure 2**).

A step by step approach is outlined below however; works may not be limited to this given the potential for unexpected finds:

1. A works area will be designated to undergo demolition.
  - It is of El's opinion that working in manageable designated zones will allow for better management of asbestos controls and inspections.
2. Under the supervision of an asbestos spotter, who is deemed competent in the identification of potential asbestos materials, the slab will be broken into manageable portions for inspection. If potential asbestos is identified, the impacted concrete will be moved into a designated dirty zone for cleaning.
  - The designated zone will be required to have a hardstand or if no hardstand areas are available, the exposed soils will require a physical barrier to be placed beneath (i.e. geofabric material) to ensure no cross contamination of the underlying fill materials occur.
3. Once the asbestos impacted concrete has been relocated, cleaning via manual hand tools (no power tools or heavy machinery) can be completed. Following the cleaning procedure an inspection will need to be completed by a competent person and/or Licenced Asbestos Assessor (LAA) as defined by SafeWork NSW. If the concrete is nominated as sufficiently clean from asbestos contaminants, the concrete can be placed in a designated clean zone for disposal.
  - If the ACM is directly adhered to or within the concrete (e.g. as formwork) and is unable to be safely removed without the increased risk of directly disturbing the ACM, the material should be disposed of as asbestos impacted concrete waste.
4. Once the concrete from the zone has been fully removed, the surface soils will require a visual asbestos inspection to determine if there are any residual fragments. If asbestos fragments are identified, an emu pick or surficial scrape of the area (depth to be determined via visual

confirmation of clean underlying materials) can be completed, depending if minor or gross contamination is identified. Following this a secondary inspection will be completed to confirm if the underlying fill soils are free of asbestos contamination. This will be determined by the environmental consultant.

- If fill soils are to be excavated, material will need to be stockpiled on a hardstand or physical barrier (i.e. geofabric material) for sampling in accordance with the EPA (2014) *Waste Classification Guidelines*. Any contaminated material will be required to be covered until the time of disposal.
5. Once the designated zone has been deemed clear of visual asbestos contamination, asbestos confirmation sampling of the exposed ground surfaces can be completed if deemed necessary. If sampling is conducted, 10 samples will be taken across the site in accordance with the EPA (1995) *Sampling Design Guidelines* for a site area of 3,500m<sup>2</sup>.
- **Note:** ACM may still be present within buried fill soils across the inspected area, as deeper fill materials are unable to be inspected. If asbestos is identified during bulk excavations the unexpected finds protocol will be implemented.

### **Asbestos Management & Control Measures**

All non-friable asbestos removal works are to be conducted by a minimum *Class B* Licenced Asbestos Removal contractor and in accordance with SafeWork NSW (2019) *Code of Practice How to Safely Remove Asbestos*. For more detailed information and the relevant asbestos management and control measures to be implemented, refer to EI (2021c) **Section 6**.

### **Clearance Inspections**

A clearance inspection will be required at the conclusion of the asbestos removal works to confirm that the work area is free of ACM fragments on the soil surfaces. This inspection is recommended to be conducted by a LAA, however can be undertaken by a competent person, as stated in the 2017 NSW *Work Health and Safety Regulation*. Clearances will include a visual inspection and sampling if deemed necessary (as per **Section 2, Step 5**). When satisfied with that the area is free of asbestos, a clearance certificate will be issued. The company undertaking the clearance inspection must be independent of the excavation and / or asbestos removal company.

## **3. Conclusion**

It should be noted that the works described within this document can change if any additional contamination is identified once the slab has been removed. This scope only refers to the demolition and removal of known asbestos containing materials adhered beneath the slab.

Should you have any queries regarding this letter, please do not hesitate to contact the undersigned.

For and on behalf of

**EI AUSTRALIA**



**Riley East**

Environmental Scientist

Licenced Asbestos Assessor: LAA001442



**Nathan Spanos**

Environmental Scientist

Licenced Asbestos Assessor: LAA001320

**References**

SafeWork NSW (2019) Code of Practice How to Safely Remove Asbestos, August 2019;

NSW Government (2011) Work Health and Safety Act 2011, 1 January 2012

NSW Government (2017) Work Health and Safety Regulation, 1 November 2017

NSW Government (2014) Protection of the Environment Operations (Waste) Regulation, 2014

EPA (2014) Waste Classification Guidelines – Part 1: Classifying waste, Environment Protection

Authority of New South Wales, Doc. EPA 2014/0796, November 2014.

EPA (1995) *Sampling Design Guidelines*, Contaminated Sites Unit, Environment Protection Authority of New South Wales, EPA 95/59, September 1995.

**Attachments**

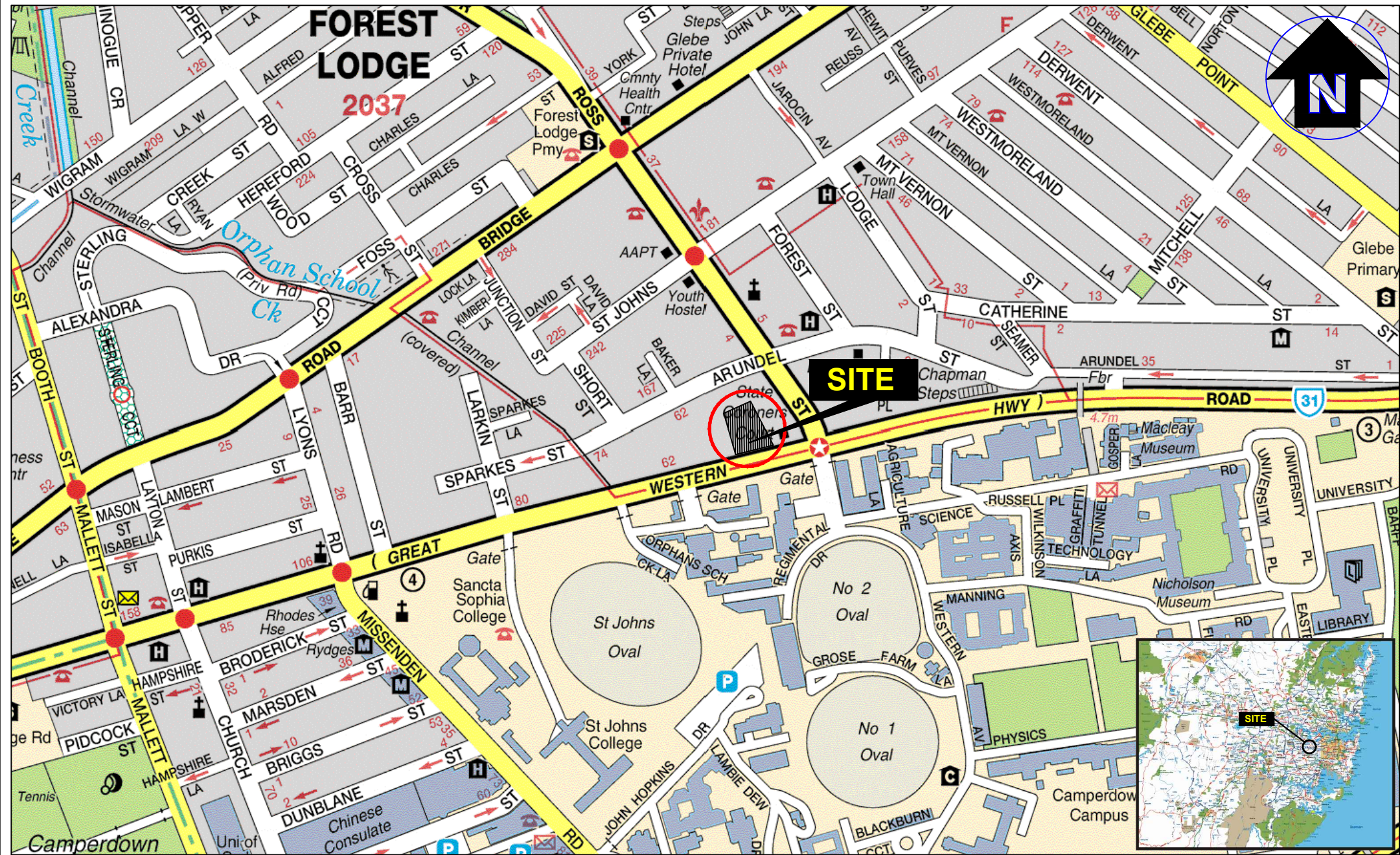
Appendix A Site Locality Plan

Appendix B Asbestos Removal Location Map

## **APPENDIX A**

### **SITE LOCALITY PLAN**

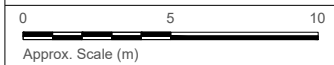






## **APPENDIX B**

### **ASBESTOS REMOVAL LOCATION MAP**



Map Source: J. ROXBURGH & PARTNERS Pty Ltd Drawing number: SK-1

**LEGEND (All areas are approximate)**

- Site and Development boundary
- ▨ Non-friable Slab Demolition Area



Drawn: R.E.

Approved: N.S.

Date: 12-5-22

**Kane Constructions Pty Ltd**  
Concrete Slab and Asbestos Removal Strategy  
42-50 Parramatta Road, Forest Lodge NSW  
Removal Location Plan

Figure:  
**2**

Project:  
E25060.E99.008\_Rev4