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Our Ref: 9692-LTR-1-1

21 February 2020

Ms Sarah Thomson Environmental Protection Authority PO Box 668 PARRAMATTA NSW 2124

Dear Ms Thompson

RE: Meadowbank Education and Employment Precinct Schools Project (SSD 9343) Advice on Contaminated Land matters within the Environmental Impact Statement (EIS)

Thank you for your review of the EIS main report, the supporting contaminated land documentation and for your recommended conditions of approval.

We write in response to the queries raised in your submission 'Meadowbank Education and Employment Precinct Schools Project (SSD 9343) Advice on the Environmental Impact Statement (EIS)' Ref: DOC19/1015631, dated 20 November 2019, and specifically to the comments raised in Section 2 Contaminated Lands.

Based on our review, we would like to confirm the following:

- As per your request, Ms Rebeka Hall (Accreditation No. 0802) of ZOIC Environmental Pty Ltd, has been appointed as the EPA accredited Site Auditor for the Meadowbank Education and Employment Precinct Schools (MEEPS) project. In her role, and as per your recommendations, Ms Hall will be conducting the necessary Section B Site Audit Statement in order to verify the appropriateness of the Remedial Action Plan (RAP) and will ultimately confirm that the land can be made suitable for the proposed development; and
- We can confirm that the remediation management measures that are acceptable to Ms Hall will be adhered to.

In relation to your queries requesting revised Asbestos Assessment Report and a '*better understanding of the onsite risks due to fibrous asbestos and asbestos fines*', we would like to inform you that:

- Details of the site history, including an explanation as to the land use activity attributed to be the source of the asbestos contamination was made in the *Stage 1 Preliminary Site Investigation* (*Appendix O*), and determined to be due to historic uncontrolled filling and uncontrolled demolition onsite; and
- A site map, showing the locations of asbestos fines/ fibrous asbestos (AF/FA) in respect of future site development infrastructure has been prepared and is included in Attachment 1. Also included is Figure 4 (Site Contamination Remediation Plan) from the RAP (enclosed as Attachment 2) which demonstrates the remedial management measures for the area where asbestos fines/ fibrous

asbestos were detected in deeper fill materials to the south of the site. It is proposed to develop this area into the future High School Sporting Oval. The current strategy (which was developed in accordance with Section 5.2.1 of the *Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia*, May 2009), proposed remediation via onsite containment, generally to include:

- excavating the existing asbestos fines/ fibrous asbestos impacted fill material (as per the SafeWork NSW Code of Practice) to a minimum 1 metre depth below existing ground levels;
- the placement of a suitably appropriate geotextile waring barrier across the entire area;
- backfilling with 1 metre of clean verified fill and vegetating with suitable grasses to form a vegetative barrier; and
- the development and implementation of a long-term Environmental Management Plan.

The site wide remedial strategy proposed in the RAP is now the subject of review and verification by Ms Hall as part of the Section B site audit process. As per your request, this process shall now include the preparation of a revised Asbestos Assessment Report to the satisfaction of Ms Hall.

Should you require further clarification relating to the above information, please contact me via the details provided.

Yours sincerely,

Aidan Rooney BSc (Hons) Principal Environmental Scientist Alliance Geotechnical

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enclosed

- Attachment 1
- Attachment 2

Locations of AF/FA Detections & Proposed Development Site Contamination Remediation Plan

ATTACHMENT 1



	Locations of AF/FA Detections & Proposed Development				
Alliance Geotechnical ENGINEERING ENVIRONMENTAL TESTING Manage the earth, eliminate the risk	Client Name:	Wood Bagot	•	Figure Number:	1
	Project Name:	Meadowbank Education and Employment Precinct Schools (SSD 9343)	\bigwedge	Figure Date:	21 February 2020
	Project Location:	2 Rhodes Street Meadowbank		Report Number:	9692-LTR-1-1

ATTACHMENT 2



Date generated 26/09/2019 4:26:37 PM

Recent revision history # Status Description Preliminary Issued for Coordination

Date 26/09/19

Notes & Legend

Contractor must verify all dimensions on site before commencing work or preparing shop drawings. Do not scale drawings.

LEGEND



Existing tree to be removed

Tree to be retained and protected

Tree protection zone

The legend below is a summary of the types of remediation. Refer to Remedial Action plan, Civil Engineering Drawings and Arborist Report for details.

Α Remove by hand any visible rubble under tree canopy and do not disturb tree roots

A1 As 'A' but first remove hardstanding and confirm on site extent of contamination.

B Retain existing soil levels. Add geotextile membrane, crushed rock. Area to have raised timber deck prior to future occupation.

С

Remove hardstanding, excavate to 500mm depth below existing level. Add geotextile membrane, fill to existing levels with clean fill.

D As 'B'. Area to be built up with 500mm topsoil and native grasses. Area to be fenced off and made inaccessible prior to future occupation.

E Excavate to 1m depth below existing levels, add geotextile membrane, fill to existing levels with clean

F Remove up to 300mm of soil. Area to be occupied by building in future.

G Area of handstanding with expected low contamination. Hardstanding to be removed and confirm extent of contamination on site.

X No works in this area

DRAFT ONLY

HDC & Architectural

Structural & Civil Engineering ENSTRUCT

Mechanical Engineering & ESD/Energy Modelling STEENSEN VARMING

Electrical Engineering

Hydraulic & Fire Engineering WARREN SMITH & PARTNERS

Landscape & Heritage URBIS

Project MEADOWBANK EDUCATION PRECINCT SCHOOLS 2 Rhodes Street, Meadowbank

Client Education School Infrastructure

Project number Size check (\land) 121172 25mm Sheet size Checked Scale Approved Checker Approver A1 1 : 500

Sheet title

Sheet number

SOIL CONTAMINATION **REMEDIATION PLAN**

MSP-WB-AR-DA108 Status PRELIMINARY