

Whangateau Harbour Esplanade Reserve

Asbestos Management Plan 2020

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Client: Auckland Council

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Prepared by

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Document Addendum to Whangateau Harbour Esplanade Reserve (refer **Appendix B**)

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A	24-June-2021	Addendum Review to address Auckland Council comments on sections 4.2.2 (ongoing management), 4.3 (areas where asbestos was determined not to be present) and 7.2 (asbestos related work).	Caroline Secretin Principal Environmental Scientist	

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1.0 Introduction

1.1 Purpose

This Asbestos Management Plan (AMP) has been prepared by AECOM New Zealand Limited (AECOM) to assist Auckland Council in meeting their legal obligations under the *Health and Safety at Work Act 2015*¹ (hereafter referred to as 'the HSWA') and the *Health and Safety at Work (Asbestos) Regulations 2016*² (hereafter referred to as 'the Asbestos Regulations') with regards to the Whangateau Harbour Reserve, located off Omaha Drive, Omaha, Auckland, New Zealand (the Site).

1.2 Site Identification

Site identification details are summarised in **Table 1**. The location of the Site is presented in **Figure 1** in **Appendix A**.

Table 1 Whangateau Harbour Esplanade Reserve Asbestos Management Plan 2020: Summary of Site Details

Item	Details
Site Identification	The Site incorporates the Omaha Boat Ramp carpark and the section of Whangateau Harbour Esplanade Reserve extending south from the boat ramp jetty to Broadlands Drive causeway.
Site Address	North West Anchorage, Omaha, Auckland. Public access to the Site is via the Omaha Boat Ramp carpark Site located at 223 Omaha Drive, as well as via pedestrian accessways off Omaha Drive and North West Anchorage.
Legal Description	Lot 261 DP 166827 (Omaha Boat Ramp carpark) Lot 2 DP 135447; Sect 2 SO 524772 (Whangateau Harbour Esplanade Reserve)
Site Size	~ 43,334 m ² (comprising ~35,885 m ² of the Whangateau Esplanade Reserve* and 7,449 m ² as the Omaha Boat Ramp carpark). * The entire Whangateau Harbour Esplanade Reserve is 50,411 m ² .
Property Owner	Auckland Council (Rodney Local Board)
Unitary Authorities	Auckland Council, (Rodney Local Board)
Operative Planning Document	Auckland Council Unitary Plan Operative in Part (2020) (AUPOiP).
Current Zoning	Open Space - Informal Recreation Zone (Omaha Boat Ramp Carpark) Open Space - Conservation Zone (Whangateau Harbour Esplanade Reserve)

1.3 Applicability of this AMP

The intention is that this AMP primarily be relevant for day-to-day operations at the Site, i.e., it will set out Auckland Council's approach to managing asbestos related hazards identified at the Site, by documenting procedures designed to address and help minimise the risk of asbestos exposure to members of the public, employees and contractors.

Should the Site be undertaking works other than day to day activities that may include any ground disturbance (i.e. intrusive ground works) further investigation must be undertaken in these areas.

¹ <http://legislation.govt.nz/act/public/2015/0070/37.0/DLM5976660.html>

² <http://www.legislation.govt.nz/regulation/public/2016/0015/19.0/DLM6729706.html>

1.4 Legal Context

1.4.1 Auckland Council's Role

In accordance with the HSWA, Auckland Council is the 'person conducting a business or undertaking' (PCBU) in the context of the Site. The HSWA places a broad range of responsibilities on the PCBU and the purpose of this AMP is to set out how Auckland Council will meet their responsibilities with regards to asbestos at the Site.

1.4.2 Requirement for this AMP

Regulation 13(1)(a) of the Asbestos Regulations specifies that an AMP must be prepared if asbestos or an asbestos containing material (ACM) is identified or presumed at a workplace.

Auckland Council engaged AECOM to complete a site investigation in June 2020 (discussed further in **Section 3.1**). The purpose of the investigation was to quantify potential human health risks associated with known asbestos contamination within soils along the Whangateau Harbour Esplanade Reserve.

The information that is required to be included in an AMP and the section of this AMP in which that information can be found is summarised in **Table 2**.

Table 2 Whangateau Harbour Esplanade Reserve Asbestos Management Plan 2020: Regulation 13(4) Roadmap

Regulation	Section of this AMP
Regulation 13(4): An asbestos management plan must include information about the following:	
13(4)(a): The identification of asbestos or ACM	Section 3.0
13(4)(b): Decisions, and reasons for decisions, about the management of the risk arising from asbestos at the workplace	Section 4.0
13(4)(c): Procedures for detailing incidents or emergencies involving asbestos or ACM at the workplace	Section 6.0
13(4)(d): The workers who carry out work involving asbestos, including	Section 7.0
i. Information and training that has been and will be provided to the workers	
ii. Roles and responsibilities of the workers	
iii. Any health monitoring of the workers that has or will be undertaken	Section 8.0

2.0 Implementation of this AMP

Auckland Council staff who will be involved with the implementation of this AMP and the specific roles they will hold is summarised in **Table 3**.

Table 3 Whangateau Harbour Esplanade Reserve Asbestos Management Plan 2020: Roles of Auckland Council Staff

Role	Auckland Council Staff
Overall oversight and review of AMP*	<i>Community Facilities: Area Operations</i>
Site inductions*	<i>Community Facilities: Asset Risk Assessment; Area Operations</i>
Labelling known and presumed asbestos locations	<i>Community Facilities: Asset Risk Assessment; Area Operations</i>
Review and approval of asbestos related work task risk analysis (TRA) / safe work method statements (SWMS) *	<i>Community Facilities: Area Operations</i>
Incident reporting	<i>All staff and contractors through Risk Manager and contract reporting HS206</i>
Oversight of tender process (for removal works)	<i>Community Facilities: Area Operations</i>

Note: * SME assistance from C.F. Asset Risk Assessment and Engineering & Technical Services

3.0 Asbestos Identified at the Site

This section summarises asbestos that has been identified onsite.

3.1 Asbestos Investigations

In June 2020, Auckland Council engaged AECOM to complete an investigation³ at the Site (hereafter referred to as 'the Investigation'). In general, the purpose of the investigation was to identify and assess the location, type, and condition of asbestos and ACM present at a site, in order to:

- Provide an understanding of the overall risk with regards to the asbestos and ACM identified; and
- Provide recommendations of measures that can be implemented to address statutory obligations under the HSWA and the Asbestos Regulations.

The investigation included soil sampling from forty-five locations across the Site which were grouped based on key areas of interest along the active recreational area of the Esplanade Reserve, coastal marine area (CMA) below the seawall, and Omaha Boat Ramp carpark. Samples were obtained from depths of 0.05 (surface), 0.5 and 1.0 metres below ground level (m bgl) and submitted to an IANZ Accredited Laboratory for semi-quantitative analysis (percentage weight for weight [%w/w]).

3.2 Asbestos Identified at the Site

The Investigation identified asbestos fragments (ACM) and asbestos fibres were present within soils at the Site, including concentrations above applicable human health guidelines⁴. A summary of identified asbestos is provided in **Table 4** and a summary of Investigation analytical results is presented on **Figure 2** in **Appendix A**.

Based on Investigation results it is considered that the Esplanade strip extending from the Omaha Boat Ramp to the Omaha Beach Tennis Club, within the vicinity of the seawall, is impacted with asbestos and may present a potential risk to human health. The extent of impact is likely limited to the area closer to the seawall, particularly in the northern extent of the Esplanade strip and where grass coverage is poor.

Table 4 Whangateau Harbour Esplanade Reserve Asbestos Management Plan 2020: Asbestos Identified at the Site

Location	Sampling Location	Asbestos Type	Above Guideline Value
The Esplanade Reserve, including adjacent to the mudcrete wall and within the coastal marine area (CMA) below the seawall.	N/A - no samples collected of visible fragments.	Visible fragments of fibre cement sheeting	Yes (visible asbestos at surface)
CMA	Sample location 27 (surface)	Fibre bundle	No
	Sample location 31 (surface)	Free fibres	No
Esplanade Reserve (between the Omaha Boat Ramp and the Omaha Beach Tennis Club)	Sample location 14 (surface)	Fibre cement sheet	Yes (ACM)
	Sample location 16 (surface)	Millboard*, free fibres & fibre bundle	Yes (FA/AF)

³ Whangateau Harbour Esplanade Reserve, Site Investigation 2020. AECOM New Zealand Limited (Rev 1, 05-Mar-2021).

⁴ Building Research Advisory Council New Zealand (BRANZ), New Zealand Guidelines for Managing and Assessing Asbestos in Soil (2017).

Location	Sampling Location	Asbestos Type	Above Guideline Value
	Sample location 20 (surface)	Millboard*	No
	Sample location 20 (0.5 m bgl)	Millboard*, free fibres & fibre bundle	Yes (FA/AF)
	Sample location 24 (0.5 m bgl)	Millboard*, free fibres & fibre bundle	Yes (FA/AF)
	Sample location 28 (surface)	Millboard*	No
	Sample location 35 (surface and 0.5 m bgl)	Millboard*, free fibres & fibre bundle	Yes (FA/AF)

Notes: ACM - Asbestos containing materials; FA - Friable asbestos; AF - Asbestos fines.

*Millboard was noted by the analytical laboratory, however was not observed during the field works. The asbestos type observed was super six sheeting.

4.0 Management of Asbestos Risks at the Site

This section addresses how the asbestos identified onsite will be communicated and managed.

4.1 Communications

The Esplanade Reserve is in frequent use by local residents, visitors, and contractors (lawn mowers). It is likely that occupants of or visitors to the Site will disturb the identified asbestos-containing materials during their day-to-day activities. These hazards must be communicated to site users. This will include but not necessarily be limited to, the following:

- Communication of this AMP to neighbouring residents and any contractors who carry out regular maintenance at the Site;
- Communication of this AMP during the induction for new site staff and contractors; and
- Labelling as discussed in **Section 5.0** of this AMP.

4.2 Asbestos-Containing Areas

4.2.1 Immediate Management

Areas in which asbestos has been found to be present as set out in **Figure 2** in **Appendix A**, should be fenced off immediately, preventing access by members of the general public. Establish grass cover or the use of an emulsion spray over the areas of poorer grass coverage as a temporary measure to limit asbestos fibres becoming airborne is recommended. Where practicable, signs warning of the presence of asbestos should be installed. These warning signs should be printed with Quick Response (QR) codes (see **Section 5.0**).

It is known that residents bordering the Esplanade strip between the boat ramp and tennis club undertake unauthorised maintenance activities such as lawn mowing and weed spraying. Instructions to these residents to cease all such activities shall be given.

Cease all ground maintenance works, such as lawn mowing. This includes all AC related maintenance works and advising the nearby residents to cease lawn mowing / weed spraying etc, until a maintenance plan is established. The maintenance plan may incorporate a mowing monitoring regime and PPE requirements for operators.

Completion of a further hand-picking event to remove all visible ACM fragments across the Site surface. Consider raking in the vicinity of where numerous asbestos fragments are picked up.

No other immediate action is required in areas where asbestos is present. However, the recommendations provided in **Section 7.0** should be followed should disturbance to these areas (e.g. maintenance activities such as lawn mowing) be planned.

4.2.2 Ongoing Management

In addition to the areas requiring immediate management, ongoing management is required across the whole Esplanade strip extending from the boat ramp to the tennis club. While asbestos was not identified during the Investigation within the eastern portion of the Esplanade strip adjacent to the residential properties, the spatial distribution of the asbestos exceedances and the discrete nature of the asbestos as a contaminant, it is considered that the whole Esplanade strip ~~may be impacted with asbestos and may present a potential risk to human health.~~ *Refer to changes of this sentence in the Addendum (in **Appendix B** of this AMP)*⁵.

Longer-term management of materials and/or areas where asbestos has been presumed present will largely depend on whether any planned future works disturb these materials and/or areas. The area requiring long-term management consideration is presented in **Figure 3** in **Appendix A**, with the *area of proposed remedial works* indicative of where asbestos is more likely to be present. *Refer additional text in the Addendum (in **Appendix B** of this AMP)*⁶.

4.3 Areas where Asbestos was Determined to Not be Present

Asbestos was determined not to be present at the following areas of the Site, all other areas are assumed to be impacted by asbestos:

- Omaha Boat Ramp carpark;
- Pedestrian pathways and picnic table adjacent to the jetty; and
- *Refer additional text in the Addendum (in **Appendix B** of this AMP)*⁷.

4.3.1 Immediate Management

No immediate action is required. However, should intrusive works in these areas uncover any suspected asbestos or ACM, the procedures in **Section 6.6.0** will be followed.

4.3.2 Ongoing Management

No ongoing management is required. However, should intrusive works in these areas uncover any suspected asbestos or ACM, the procedures in **Section 6.6.0** will be followed.

5.0 Signage and Labels

Regulation 12 of the Asbestos Regulations states that: 'A PCBU with management or control of a workplace must ensure that the presence and location of asbestos or ACM identified at the workplace under regulation 10 are clearly indicated (and in a way that complies with the requirements of any applicable safe work instrument)'.

Where practicable, QR codes are to be installed on any identified and/or presumed asbestos containing materials which will be linked back to the relevant asbestos register.

No 'safe work instrument' (SWI, which is an additional tool developed by WorkSafe New Zealand) exists yet for signage and labels (in the context of asbestos). In the absence of a SWI, the standard

⁵ **Changes reflected in the Addendum:** While asbestos was not identified during the Investigation within the eastern portion of the Esplanade strip adjacent to the residential properties, based on the spatial distribution of the asbestos exceedances and the discrete nature of the asbestos as a contaminant, it is considered that asbestos may be present along the whole Esplanade strip despite sampling indicating an apparent absence.

⁶ **Changes reflected in the Addendum:** This *area of proposed remedial works* consists of the western edge of the Esplanade strip, and represents approx. 75% of the total length (north/south) of the Esplanade strip.

⁷ **Changes reflected in the Addendum:** And The eastern edge of the Esplanade strip adjacent to the residential properties.
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NZS/AS 1319 '*Safety Signs for the Occupational Environment*' should be considered when installing warning signs and labels.

6.0 Accidental Discoveries, Incidents and Emergencies

6.1 Emergency Procedures

Emergency procedures will be followed in the event that previously unidentified asbestos is inadvertently disturbed.

6.2 Recording of Incidents

Any incidents relating to asbestos will be recorded in an Incident Register. Incidents will also be recorded as required by Auckland Council's incident reporting requirements, with Auckland Council's incident reference included in the Incident Register and all documentation added to this plan for completeness.

7.0 Works Involving Asbestos

7.1 Working at the Site

Any work involving asbestos-containing materials and/or soil determined or suspected to have concentrations of asbestos above the "asbestos-related work" guideline values specified in the Building Research Association of New Zealand's *New Zealand Guidelines for Assessing and Managing Asbestos in Soil* (November 2017, hereafter referred to as "the BRANZ guidelines") will be carried out by specialist contractors only. The remainder of this section is primarily targeted towards maintenance contractors, asbestos removalists and the applicable regulations.

7.2 Asbestos Related Work

WorkSafe New Zealand's *Approved Code of Practice: Management and Removal of Asbestos* (November 2016, hereafter referred to as "the ACOP") defines the following work types as "asbestos-related work":

- Research and analysis;
- Sampling and identification;
- Transport and disposal;
- Demonstrations, education, or practical training;
- Emergency response;
- Demolition;
- Firefighting;
- Maintenance and servicing work;
- Rectifying work;
- Display of an artefact or thing;
- Mining;
- Laundering asbestos-contaminated;
- Naturally-occurring asbestos; and
- Work carried out in accordance with an approved method.

In addition to these types, work that disturbs soil determined or suspected of containing concentrations of asbestos above the “asbestos-related work” guideline values specified in the BRANZ guidelines will be considered asbestos-related.

Common examples of onsite work which would **not** be considered asbestos-related include **but are not limited to**:

- Walking over;
- Spray-application of pesticide/herbicide;
- Surface deposition of fertiliser;
- Grass sowing; and
- Collection of incidentally-deposited or windblown refuse.
- Mowing (*Refer amendment to this paragraph in the Addendum (in **Appendix B** of this AMP)⁸*) – only if there is no known or suspected asbestos-containing material on the surface of the area being mown. That is, no mowing in the *area of proposed remedial works* (refer to **Figure 3 in Appendix A**) and confirming the remainder of the Esplanade Strip surface is free of asbestos-containing material. As per Section 4.2 a maintenance plan should be established, which can include a mowing monitoring regime and PPE requirements for operators.

The Regulations that specifically set out the requirements for how asbestos-related works will be completed comprise ‘Part 5’ of the Asbestos Regulations⁹. All asbestos-related work should also follow controls outlined in ‘Part E’ of the ACOP¹⁰, and in Section 6.4 (Mitigation Controls), Section 6.5 (Decontamination), and Section 6.6 (Disposal of Asbestos Waste) of the BRANZ guidelines¹¹.

In addition, contractors undertaking asbestos related work must complete a Task Risk Assessment (TRA) / Safe Work Method Statement (SWMS). The TRA / SWMS must be reviewed by a competent reviewer as identified in **Table 3**. The TRA / SWMS must identify how the work will be completed in order to comply with the ACOP.

The following sections outline the progression of asbestos-related work and associated requirements. These sections should be read in conjunction with and not as a substitute for the regulations, approved code of practice, and guidelines upon which they are based.

7.2.1 Obligations of the PCBU

The responsibilities of the PCBU for which asbestos-related works are carried out are described in the ACOP (Section 21.4 “Roles and responsibilities”) as:

- To ensure that the asbestos work area is clearly marked;
- To ensure that the asbestos work area is separated from other workplaces and/or the site in general such that other workers and/or others do not enter the area;
- To identify any asbestos that workers may encounter during the work – if this is not possible then the presence of asbestos must be assumed;
- To inform asbestos-related workers about the health risks of asbestos exposure;
- To provide health monitoring of workers if they are at risk of asbestos exposure (see ACOP Section 16 “Health monitoring”); and
- To ensure that a competent person carries out air monitoring of the work area if there is uncertainty regarding whether airborne asbestos fibres may exceed an eight hour time-weighted

⁸ **Changes reflected in the Addendum:** Mowing – only if there is no known or suspected asbestos-containing material on the surface of the area being mown. That is, no mowing in the *area of proposed remedial works* (refer to **Figure 3 in Appendix A**) and confirming the remainder of the Esplanade Strip surface is free of asbestos-containing material and as per Section 4.2 a maintenance plan should be established, which can include a mowing monitoring regime and PPE requirements for operators.

⁹ <http://www.legislation.govt.nz/regulation/public/2016/0015/19.0/whole.html#DLM6729396>

¹⁰ <https://worksafe.govt.nz/topic-and-industry/asbestos/management-and-removal-of-asbestos/#lf-doc-29107>

¹¹ https://www.branz.co.nz/shop/catalogue/guidelines-for-assessing-and-managing-asbestos-in-soil_773/

\\na.aecomnet.com\lfs\APAC\Auckland-NZAKL1\Legacy\Projects\606X\60602006\500_DELIV\SOE-2020-45 (Omaha Asb Invst)\Investigation Rpt\App G - Asbestos Management Plan\60602006_Whangateau Esplanade Harbour Reserve - AMP_with Addendum_FINAL_Rev1_20210623_clena.doc
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average of 0.1 fibres per millilitre of air (f/mL, also referred to as the airborne contamination standard).

7.2.2 Work Controls

Asbestos-related work controls will be implemented in accordance with BRANZ Guidelines Section 6.4 (“Mitigation Controls”) and ACOP Section E “Asbestos-related work”.

The BRANZ Guidelines’ asbestos-related soil handling controls are described as follows:

- Workers will use the following personal protective equipment (PPE): Disposable coveralls rated type 5, category 3, nitrile gloves, steel toe capped gumboots or safety footwear with disposable overshoes, and a disposable P2 dust mask; and
- Dust/asbestos fibre suppression will be accomplished by water distributed via localised points. Addition of surfactants and polymers where the location is sensitive (such as adjacent to busy centres, schools). Temporary cover of contaminated area awaiting remediation.

The ACOP’s asbestos-related works controls are described as follows:

- The PCBU will consider eliminating risk by not performing the work;
- If this is not practicable, the PCBU will minimise the risk by using isolation controls, engineering controls, or a combination of these;
- The PCBU will select control methods for the asbestos-related work area that:
 - Are effective at making all people doing the asbestos-related work aware of the presence of asbestos;
 - Prevent any work activity that might expose them or others nearby to airborne asbestos; and
 - Control work activities which affect previously inaccessible areas likely or assumed to contain asbestos.
- The PCBU will ensure that air monitoring of the works will be conducted if:
 - There is uncertainty about whether the airborne contamination standard is likely to be exceeded;
 - It is not clear if new/existing controls are effective;
 - There is evidence that control measures have deteriorated;
 - Work method modifications have occurred that may adversely affect worker exposure; and
 - There has been an uncontrolled disturbance of asbestos at the workplace.

7.2.3 Decontamination and Post-Work Controls

Decontamination controls will be implemented in accordance with BRANZ Guidelines Sections 6.4 (“Mitigation Controls”) and 6.5 (“Decontamination”) as well as ACOP Section 17 (“Decontamination”).

The ACOP states that, while the PCBU conducting asbestos-related work may provide decontamination facilities, it is the responsibility of the PCBU commissioning the work to ensure those facilities are available which decontaminate:

- The asbestos-related work area;
- Any plant used in the asbestos-related work area; and
- Workers performing the asbestos-related work.

Material likely to be contaminated with asbestos must not leave the work area unless it:

- Is first decontaminated; or
- Is sealed in a container and the container’s exterior is decontaminated and clearly marked to indicate the presence of asbestos.

The ACOP provides more detailed guidance about specific decontamination methods, as follows:

- Section 17.3 Decontaminating the work area;
- Section 17.4 Decontaminating tools;
- Section 17.5 Decontaminating vehicles or machinery;
- Section 17.6 Decontaminating waste containers removed from the asbestos work area;
- Section 17.7 Personal decontamination procedures;
- Section 17.8 Setting up personal decontamination areas outside the asbestos work area;
- Section 17.9 Decontamination units attached to an enclosure; and
- Section 17.10 Remote decontamination units for friable asbestos removal.

The BRANZ guidelines recommends the following decontamination controls for vehicles entering the asbestos-related works area:

- Standard air conditioning systems are considered acceptable;
- While truck lining/soil wrapping requirements depend on the receiving landfill, all trucks should be covered before leaving site; and
- A suitably qualified and experienced practitioner (SQEP) will conduct a visual assessment of the vehicle before leaving the works area.

7.2.4 Disposal of Asbestos Waste

Asbestos-containing material, including asbestos-contaminated PPE, must be disposed of in accordance with ACOP Section 18.2 (“Waste Disposal Following Work Involving Asbestos”) and BRANZ guidelines Section 6.6 (“Disposal of Asbestos Waste”). Waste must be disposed of at an appropriately approved facility and in a manner compliant with that facility’s requirements. All waste must be tracked from source site via transporter to disposal facility.

If the volume or size of asbestos waste cannot be contained in asbestos waste bags, drums or bins, a waste skip, vehicle tray or similar container may be used. Asbestos waste must be stored in closed containers (e.g. steel drums or a sealed skip) before being transported offsite. Skips and vehicle trays should be double-lined with heavy-duty plastic sheeting (200 µm minimum thickness) and completely sealed once full.

The ACOP provides more detailed guidance about specific waste disposal methods as follows:

- Section 18.2.2 Asbestos Waste Bags.
- Section 18.2.3 Polythene Sheeting for Containing Asbestos Waste.
- Section 18.2.4 Asbestos Waste Drums or Bins.
- Section 18.2.5 Asbestos Waste Skips, Vehicle Trays and Similar Containers.

7.3 Asbestos Removal Works

Based on investigation results it is determined that any asbestos removal works would be Class B (no results above 1% w/w and no friable asbestos-containing materials identified). As such, only the regulations and requirements for Class B asbestos removal works will be considered or referenced in this section. If, through additional investigation, asbestos removal works other than Class B are deemed to be required, this AMP will be updated to reflect this.

The Regulations that specifically set out the requirements for how asbestos removal works will be completed comprise 'Part 3' of the Asbestos Regulations.

7.3.1 Obligations of the PCBU

Specific parts of the Asbestos Regulations requiring how the asbestos removal works will be completed include:

- Regulation 27 *'Duty to ensure asbestos removalist is licenced'*, specifically:
 - Regulation 27(1): *A PCBU [in this case Auckland Council] who commissions the removal of asbestos must ensure that the asbestos removal work is carried out by a licenced asbestos removalist who is licenced to carry out the work.*
- Regulations 43 to 46 in Part 4 of the Asbestos Regulations set out the requirements of the PCBU with regards to ensuring that an independent licensed asbestos assessor undertakes air monitoring of the asbestos removal area at the workplace.

A register of licensed assessors and removalist contractors with the licence class they hold can be found on the WorkSafe New Zealand website.¹²

7.3.2 Obligations of the Asbestos Removalist

Regulations 27 to 42 in Part 3 of the Asbestos Regulations set out the requirements of the licenced asbestos removalist before and during Class B asbestos removal works.

These will not be replicated here in detail. However, it is important that the requirement to comply with these regulations is included in any tender documentation and subsequent contract with the asbestos removalist.

The asbestos removalist should be encouraged to refer to the ACOP, which provides good guidance around how these requirements can be met, including useful templates for plans and other records that will need to be created.

8.0 Health Monitoring

8.1 Asbestos Workers

Regulation 15 and 16 set out the PCBU requirements for health monitoring. The PCBU must ensure that health monitoring is conducted for workers carrying out ongoing work involving asbestos in accordance with the requirements as set out in regulations 15 and 16.

¹² <https://worksafe.govt.nz/topic-and-industry/asbestos/licensing/licence-holder-register/>
\\na.aecomnet.com\\fs\\APAC\\Auckland-NZAKL1\\Legacy\\Projects\\606X\\60602006\\500_DELIV\\SOE-2020-45 (Omaha Asb Invst)\\Investigation
Rpt\\App G - Asbestos Management Plan\\60602006_Whangateau Esplanade Harbour Reserve - AMP_with
Addendum_FINAL_Rev1_20210623_clena.doc
Revision 1 – 05-Mar-2021
Prepared for – Auckland Council – Co No.: N/A

9.0 Additional Works Required

9.1 Review of this AMP

Regulation 14 of the Asbestos Regulations requires review of this AMP if:

- Any of the management items discussed in **Section 4.0** are reviewed;
- Asbestos is removed, disturbed, sealed or enclosed;
- The plan is no longer adequate for managing the asbestos risks, such as when new asbestos is identified;
- A representative (which could be a health and safety representative, union representative or a person authorised by a worker to represent them) asks to have the plan reviewed if they have reasonable grounds to believe a control measure might not adequately affect worker health and safety and the workplace PCBU has not adequately reviewed the plan in response to this; or
- If five years have lapsed since the last review.

Reviews and updates to this AMP will be recorded in the 'Revision History' table located at the beginning of the plan.

10.0 Limitations

1. AECOM has prepared this Asbestos Management Plan (the “AMP”) in accordance with the usual care and thoroughness of the consulting profession for the use of Auckland Council and only those third parties who have been authorised in writing by AECOM to rely on this AMP.
2. It is based on generally accepted practices and standards at the time it was prepared. No other warranty, expressed or implied, is made as to the professional advice included in this AMP.
3. This AMP should be read in full and no excerpts are to be taken as representative of the findings. No amendments, reviews or updates should be made to this AMP without the written consent of AECOM. No responsibility is accepted by AECOM for use of any part of this AMP in any other context.
4. This AMP is based on the Whangateau Harbour Esplanade Reserve Site Investigation, AECOM 2020. Only those areas of investigation at the Site that were accessible to AECOM at the time of the inspection are covered in this the Site Investigation. AECOM cannot guarantee that all asbestos containing materials within the Site were identified nor addressed in the Site Investigation or that the results contained in the Site Investigation, nor this AMP, are definitive. Further, the samples taken are representative only of the specific locations from which they are taken. The results do not necessarily reflect conditions at any location removed from the specific points of sampling. It must always remain a possibility that asbestos containing materials (other than those identified within this AMP) may be found during any maintenance, refurbishment or demolition activity, and suitable precautions should always be taken when carrying out such activities.
5. In this AMP, we have identified from the Site Investigation those materials suspected to contain asbestos. Until proven otherwise, it should be presumed that any similar materials will also contain asbestos. The same assumption should not be made in respect of those materials which are similar to those identified in this AMP as non-asbestos containing samples.
6. Except as specifically stated in this AMP, AECOM makes no statement or representation of any kind as to the suitability of the Site for any purpose and/or the potential risk to human health and safety posed by the presence (or otherwise) of asbestos containing materials.
7. The ongoing use of the Site may require the maintenance, management and/or removal of asbestos containing materials identified at the Site. Except as expressly stated in this AMP, AECOM makes no statement as to the requirements, or methods to be used, for such maintenance, management and/or removal.
8. This AMP was prepared in July 2020 is based on the information contained in the Site Investigation which was prepared in July 2020. The information in this AMP is considered to be accurate at the date of issue and is in accordance with information provided in the Site Investigation. This AMP and the information contained herein should only be regarded as validly representing the site conditions at the time of the investigation unless otherwise explicitly stated in a preceding section of this AMP. AECOM disclaims responsibility for any changes that may have occurred after this time.
9. Except as required by law, no third party may use or rely on, this AMP unless otherwise agreed by AECOM in writing. Where such agreement is provided, AECOM will provide a letter of reliance to the agreed third party in the form required by AECOM.
10. To the extent permitted by law, AECOM expressly disclaims and excludes liability for any loss, damage, cost or expenses suffered by any third party relating to or resulting from the use of, or reliance on, any information contained in this AMP. AECOM does not admit that any action, liability or claim may exist or be available to any third party.
11. AECOM does not represent that this AMP is suitable for use by any third party in deciding whether to enter a transaction in relation to the property which is the subject of the AMP or to put that property to a particular use.
12. It is the responsibility of third parties to independently make inquiries or seek advice in relation to their particular requirements and proposed use of the relevant property.

13. This AMP does not, and does not purport to, give legal advice as to Auckland Council's actual or potential asbestos or hazardous material liabilities, or draw conclusions as to whether any particular circumstances constitute a breach of relevant legislation. Such advice can only be given by qualified legal practitioners.

Appendix A

Figures



AECOM

PROJECT
WHANGATEAU HARBOUR
ESPLANADE RESERVE:
ASBESTOS MANAGEMENT
PLAN 2020

CLIENT
**AUCKLAND COUNCIL
CLOSED LANDFILL
MANAGEMENT
TEAM (CLFM)**

CONSULTANT
AECOM New Zealand Limited
www.aecom.com

PROJECT MANAGEMENT INITIALS

Approved	ET	Date	6/07/2020
Checked	BM	Date	6/07/2020
Designed	SS	Date	6/07/2020
Drawn	SS	Date	6/07/2020

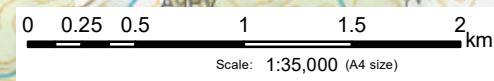
ISSUE/REVISION

A	6/07/2020	FINAL	
Rev	Date	Description	

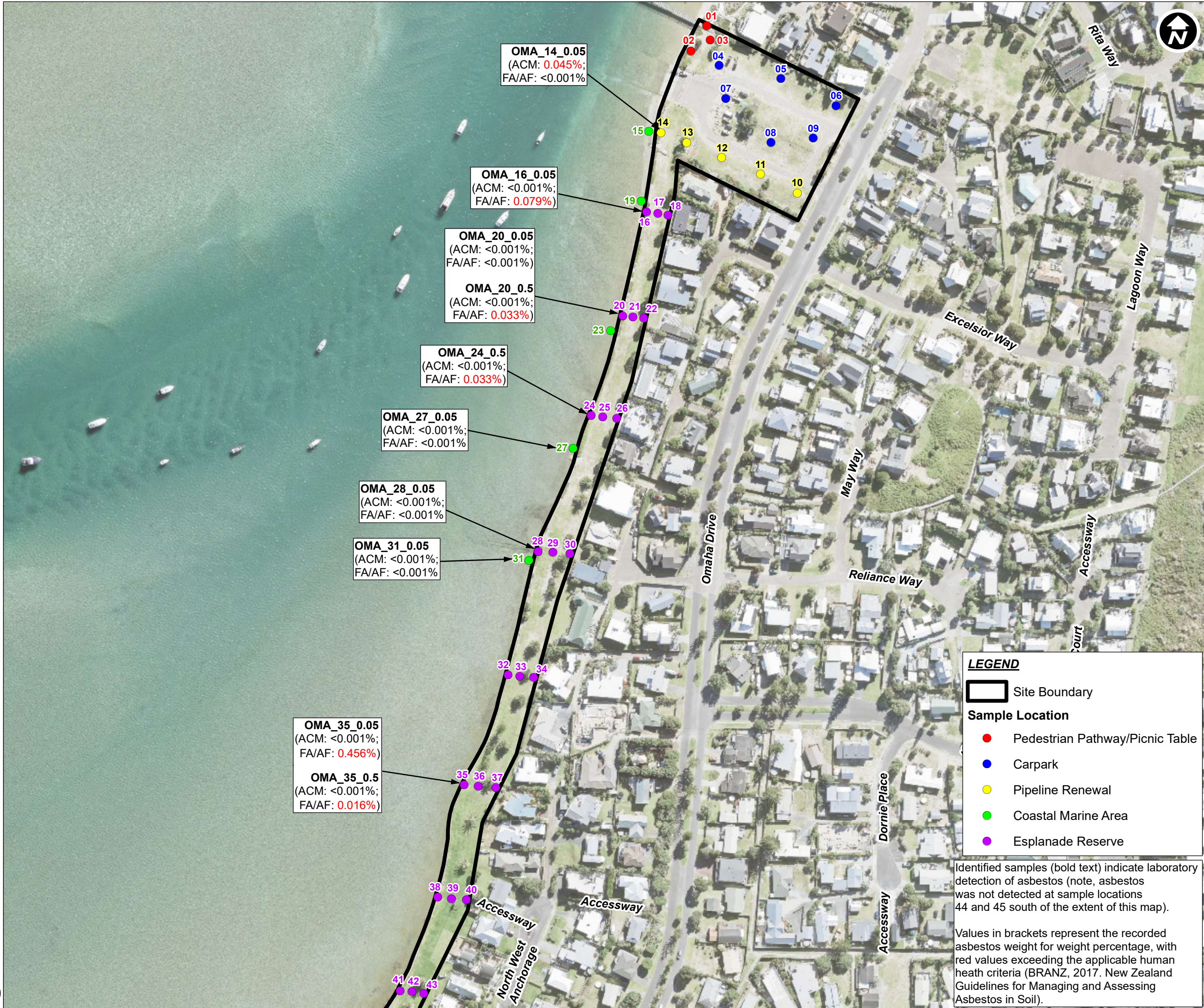
PROJECT NUMBER
60602006

SHEET TITLE
SITE LOCATION PLAN

MAP NUMBER
FIGURE 1



© Copyright AECOM New Zealand Limited, 2015. This map is confidential and shall only be used for the purposes of this project. The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the AECOM Quality Assurance system certified to AS/NZS ISO 9001:2000.



PROJECT

WHANGATEAU HARBOUR
ESPLANADE RESERVE:
ASBESTOS MANAGEMENT
PLAN 2020

CLIENT

AUCKLAND COUNCIL
CLOSED LANDFILL
MANAGEMENT
TEAM (CLFM)

CONSULTANT

AECOM New Zealand Limited
www.aecom.com

SPATIAL REFERENCE

Scale: 1:2,200 (A3 size)

20 10 0 20 40 60 80 m

Map features depicted in terms of NZTM 2000 projection.

Data Sources:
Cadastral Boundaries – LINZ NZ Cadastral Dataset

PROJECT MANAGEMENT

Approved	DS	Date	5/03/2021
Checked	DS	Date	5/03/2021
Designed	SS	Date	5/03/2021
Drawn	SS	Date	5/03/2021

ISSUE/REVISION

Rev	Date	Description
A	5/03/2021	FINAL

KEY PLAN

PROJECT NUMBER

60602006

SHEET TITLE

ASBESTOS IN SOIL RESULTS

MAP NUMBER

FIGURE 2

Figure taken from the following report: Whangateau Harbour Esplanade Reserve, Site Investigation 2020. AECOM New Zealand Limited.



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PROJECT
WHANGATEAU HARBOUR
ESPLANADE RESERVE:
ASBESTOS MANAGEMENT
PLAN 2020

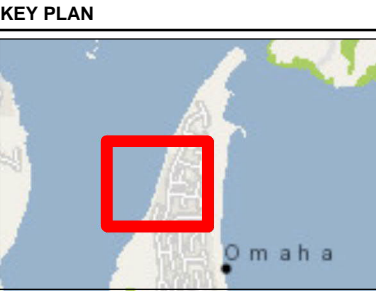
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TEAM (CLFM)**

CONSULTANT
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SPATIAL REFERENCE
Scale: 1:2,500 (A3 size)
20 10 0 20 40 60 80
m
Map features depicted in terms of NZTM 2000 projection.
Data Sources:
Cadastral Boundaries – LINZ NZ Cadastral Dataset

PROJECT MANAGEMENT			
Approved	DS	Date	4/03/2021
Checked	DS	Date	4/03/2021
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Drawn	SS	Date	4/03/2021

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A	4/03/2021	FINAL
Rev	Date	Description



PROJECT NUMBER
60602006
SHEET TITLE
AREA OF LONG-TERM
MANAGEMENT
MAP NUMBER
FIGURE 3

LEGEND

- Area of Long-Term Management
- Area of Proposed Remedial Works

Appendix B

Addendum to AMP -
June 2021

Appendix B Addendum to AMP - June 2021

This Addendum to AMP has been prepared to reflect changes to the original AMP. It must be read in conjunction with the AMP.

Changes to address Auckland Council comments are reflected in the following sections:

4.2.2 Ongoing Management

In addition to the areas requiring immediate management, ongoing management is required across the whole Esplanade strip extending from the boat ramp to the tennis club. While asbestos was not identified during the Investigation within the eastern portion of the Esplanade strip adjacent to the residential properties, based on the spatial distribution of the asbestos exceedances and the discrete nature of the asbestos as a contaminant, it is considered that asbestos may be present along the whole Esplanade strip despite sampling indicating an apparent absence.

Longer-term management of materials and/or areas where asbestos has been presumed present will largely depend on whether any planned future works disturb these materials and/or areas. The area requiring long-term management consideration is presented in **Figure 3** in **Appendix A**, with the *area of proposed remedial works* indicative of where asbestos is more likely to be present. This *area of proposed remedial works* consists of the western edge of the Esplanade strip, and represents approx. 75% of the total length (north/south) of the Esplanade strip.

4.3 Areas where Asbestos was Determined to Not be Present

Asbestos was determined not to be present at the following areas of the Site, all other areas are assumed to be impacted by asbestos:

- Omaha Boat Ramp carpark;
- Pedestrian pathways and picnic table adjacent to the jetty; and
- The eastern edge of the Esplanade strip adjacent to the residential properties.

7.2 Asbestos Related Work

WorkSafe New Zealand's *Approved Code of Practice: Management and Removal of Asbestos* (November 2016, hereafter referred to as "the ACOP") defines the following work types as "asbestos-related work":

- Research and analysis;
- Sampling and identification;
- Transport and disposal;
- Demonstrations, education, or practical training;
- Emergency response;
- Demolition;
- Firefighting;
- Maintenance and servicing work;
- Rectifying work;
- Display of an artefact or thing;
- Mining;
- Laundering asbestos-contaminated;
- Naturally-occurring asbestos; and

- Work carried out in accordance with an approved method.

In addition to these types, work that disturbs soil determined or suspected of containing concentrations of asbestos above the “asbestos-related work” guideline values specified in the BRANZ guidelines will be considered asbestos-related.

Common examples of onsite work which would **not** be considered asbestos-related include **but are not limited to**:

- Walking over;
- Spray-application of pesticide/herbicide;
- Surface deposition of fertiliser;
- Grass sowing; and
- Collection of incidentally-deposited or windblown refuse.
- Mowing – only if there is no known or suspected asbestos-containing material on the surface of the area being mown. That is, no mowing in the *area of proposed remedial works* (refer to **Figure 3 in Appendix A**) and confirming the remainder of the Esplanade Strip surface is free of asbestos-containing material and as per Section 4.2 a maintenance plan should be established, which can include a mowing monitoring regime and PPE requirements for operators.