

18<sup>th</sup> October 2024

62-80 Papakura-Clevedon Road  
Clevedon  
Clevedon Properties Limited

Attention: Darren Ellis, Project Manager, Clevedon Properties Limited  
Email: [Darren.Ellis@clearwaterconstruction.co.nz](mailto:Darren.Ellis@clearwaterconstruction.co.nz)

Project No. 33041

Dear Darren,

**BUN60407077: 62-80 PAKURA-CLEVEDON ROAD, CLEVEDON, AUCKLAND – SITE VALIDATION REPORT  
V2**

## **1 INTRODUCTION**

This letter provides a Site Validation Report (SVR) in order to fully satisfy Condition 34 of the resource consent for the site, referenced by Council as BUN60407077.

Clevedon Properties Limited is currently developing a large parcel of land located at 62-80 Papakura-Clevedon Road, Auckland ('site'). The site is intended to be developed for residential land use, and as such, has involved soil disturbance to date, and will involve a change of use and subdivision in the near future.

The development to date has involved the removal of all existing structures and below ground infrastructure at the site, which has involved significant soil disturbance. Fraser Thomas Limited (FTL) have previously completed a Preliminary Site Investigation (PSI), Detailed Site Investigation (DSI), and a Remedial Action Plan (RAP) for the site, in order to determine the contamination status of the site, and provide the remedial actions and site controls required during the earthworks and wider development of the site.

This SVR reviews and summarises previous environmental investigation work at the site undertaken by FTL, regarding the contamination identified during the PSI & DSI, and the accidental discovery of contamination during remediation of the site. This SVR also documents the process of removal of all identified contamination from site, and subsequent validation of the remaining site soils.

Furthermore, the SVR has been prepared by a Suitably Qualified and Experienced Practitioner in Contaminated Land (SQEP) as defined in the National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health (NESCS)

## **1.1 BACKGROUND INFORMATION**

The environmental investigations completed at the site can be summarised as follows, in chronological order:

- Environmental Site Assessment (ESA), undertaken by FTL across properties 62, 78 & 80 Papakura-Clevedon Road, dated February 2008.
- Detailed Site Investigation (DSI), undertaken by FTL across properties 62, 78 & 80 Papakura-Clevedon Road, dated June 2021.
- Remedial Action Plan (RAP), undertaken by FTL, dated March 2022 and then updated in September 2022 by FTL, containing results of an additional investigation undertaken to satisfy a s92 request.

### **1.1.1 ESA – FRASER THOMAS LIMITED (FEBRUARY 2008)**

The FTL ESA was completed in February 2008, and was commissioned to identify any contamination around a proposed early childhood learning centre (ECLC), caused by historical site activities.

In brief, the preliminary desktop study found no historical evidence of potential contamination at the site due to horticultural land use or chemical storage and application. In addition, a review of Manukau City Council (MCC) building records yielded no items of concern.

However, there were three locations where possible hydrocarbon based liquid spills may have occurred. However, as these areas were all located away from the proposed ECLC development area, no sampling was undertaken at the time.

No sampling was undertaken across the other areas of site during the ESA, as no signs of contamination were identified.

### **1.1.2 DSI – FRASER THOMAS LIMITED (JUNE 2021)**

The FTL DSI was completed in June 2021, and was commissioned to identify any contamination caused by historical site activities, and to assess the areas of the site identified in the FTL ESA.

In brief, the DSI identified numerous site structures constructed between the 1930s-1980s, during the period where the use of lead-based paints and asbestos containing materials were prevalent.

Soil testing results showed that soils in locations (Pb05, Pb06, Pb07, Pb08, Pb09 & Pb10) across the site had concentrations of lead at levels exceeding the NESCS for residential land use and the Auckland Unitary Plan: Operative in Part (AUP:OP) permitted activity discharge criteria.

The DSI concluded that a restricted discretionary consent would be required under the NESCS for the proposed development due to subdivision and soil disturbance, and a Remedial Action Plan (RAP) would need to be prepared to support this. No consent was required under the AUP:OP, as the estimated contaminated soil volume was within the permitted activity threshold of 200m<sup>3</sup>.

### **1.1.3 RAP – FRASER THOMAS LIMITED (SEPTEMBER 2022)**

The FTL RAP was completed in September 2022, and was commissioned to present the remedial actions and site controls required during the earthworks and development of the site, and contains information regarding an additional investigation undertaken to satisfy s92 requirements.



In brief, the additional investigation involved the collection of 10 samples from 5 locations around the historic oil drum storage area identified in the FTL ESA (2008). Five shallow samples were collected from 0-150mm depth, while 5 deeper samples were collected from 150-300mm depth. The 5 shallow samples were all analysed for heavy metals, polycyclic aromatic hydrocarbons (PAHs), total petroleum hydrocarbons (TPHs) and semi-quantitative asbestos in soil.

Results of the sample analysis identified low-level concentrations of arsenic, lead, zinc, PAHs and TPHs in the soils surrounding the historic oil drum storage area; however, there were no exceedances of the NESCS for residential (10% produce consumption) land use or the AUP:OP permitted activity discharge criteria. In addition, all materials were considered suitable to remain onsite. However, if removed from site, they would require disposal of at a suitably licensed managed fill facility.

Following completion of the additional investigation, no additional material required removal from site, other than the contaminated soils identified in the DSI.

Between issuing the RAP, and the remedial works at the site beginning, an asbestos pipe totalling approximately 20m in length was identified in the central portion of the site. This SVR details the asbestos pipe removal and validation in addition to the remedial works required by the DSI.

## **1.2 RATIONALE, OBJECTIVE AND SCOPE OF WORK**

Site validation is the process of confirming that works were undertaken in accordance with the approved plans and reports. In this instance, the reports are the FTL DSI and RAP.

For this project, as the asbestos pipe was identified after the DSI & RAP had been completed, accidental discovery protocols were followed when the pipe was encountered, in line with the detailed instructions provided in the RAP. Following excavation, removal and visual clearance of the pipe removal areas, validation soil sampling was undertaken to confirm the concentrations of asbestos fibres within the remaining site soils were at or below the defined remediation criteria for the site.

All other areas of contamination, as detailed in the DSI, were dealt with in accordance with the contaminated soil handling provisions detailed in the FTL RAP.

Fraser Thomas Limited Health and Safety Management Plan procedures were followed throughout the duration of the investigation.

## **2 CONSENTS AND REGULATORY REQUIREMENTS**

Auckland Council has issued the following Resource Consents and associated documents for the residential subdivision and development:

- Land Use Consent (LUC60406815)
- Council Reference (BUN60407077)

This SVR has been prepared in accordance with the FTL DSI & RAP, and has been prepared in order to fully satisfy condition 34 of the consent referenced above.

It should be noted that condition 29 of the above referenced consent has not been met, as FTL were engaged for the soil remedial works, after the existing structures at the site had been removed. When FTL visited site to undertake the validation soil sampling, a thorough walkover of the areas where historical structures had been removed was carried out. During this walkover, no topsoils were noted, and no potentially asbestos containing materials were observed. Furthermore, all soil materials generated from earthworks in this area of the site have been removed to a suitably licensed disposal facility, consented to accept asbestos containing materials.

### **3 WORKS SUMMARY**

It is understood that all remedial earthworks at the site to date were completed between 21<sup>st</sup> December 2022 and 8<sup>th</sup> April 2024. The first round of asbestos pipe removals was completed between 17<sup>th</sup> March 2023 - 28<sup>th</sup> April 2023, while the second round of asbestos pipe removals was completed on 8<sup>th</sup> April 2024.

The Visual Clearance Certificates are provided as Appendix A, Asbestos Removal Control Plans are provided as Appendix B, validation soil sampling results and laboratory transcripts are provided as Appendix C, Disposal Dockets for all contaminated materials that have been removed from site are provided as Appendix D, and the imported materials laboratory report is provided as Appendix E.

Fraser Thomas Ltd undertook all validation soil sampling. The following sections outline the development works and validation carried out on site.

#### **3.1 MANAGEMENT STRATEGY**

For the areas of heavy metal & hydrocarbon contamination, the remedial strategy involved validation soil sampling following removal of the contaminants as identified in the Fraser Thomas Ltd DSI & RAP, while the ACM pipe was managed in accordance with the accidental discovery protocols outlined in the FTL RAP, and the ARCPs prepared by Henderson Demolition Ltd & Morecroft Contractors Ltd.

The RAP prepared by Fraser Thomas Ltd set out standard earthwork procedures and controls to minimize discharge of contaminants to the environment during these works and ensure the health and safety of works and surrounding receptors. This included the implementation of the following:

- Duration of works.
- Site supervision.
- Soil removal.
- Encountering possible hazardous materials
- Silt, sediment and dust control.
- Noise requirements.
- Traffic generation and transportation.
- Communication with neighbours.
- Records.
- Health & Safety in employment.
- Accidental Discovery Protocols.

### **3.2 SOIL REMOVAL AND DISPOSAL**

Based on information provided by the client, approximately 1,992 tonnes of unsuitable material and 30.2 tonnes of asbestos contaminated soils and pipe were excavated and carted to Hampton Downs landfill and Envirofill South managed fill facilities, as part of the initial works at the site encompassed by the FTL SVR issued in June 2023.

During the second round of asbestos pipe removals, an additional ~3.2 tonnes of asbestos contaminated soils were excavated and carted by Morecroft Contractors Ltd to Whitford Landfill on 6<sup>th</sup> April 2024. All provided disposal dockets for the areas of the site assessed in this SVR are presented in Appendix D.

An additional 10.58T of contaminated soils were excavated and carted to Whitford Landfill on 7<sup>th</sup> May 2024.

### **3.3 IMPORTED MATERIAL**

Based on information provided by the client, approximately 30m<sup>3</sup> of drainage metal and 2,800m<sup>3</sup> of soft pit run has been imported to the site from Brookby Quarry to backfill excavations at the site between 21<sup>st</sup> February and 17<sup>th</sup> April 2024. In addition, approximately 83T of GAP65 was imported to the site on the 3<sup>rd</sup> May 2024 from Brookby Quarry to backfill excavations at the site.

### **3.4 EARTHWORK CONTROLS**

Based on communication with the client, earthworks controls to manage surface water runoff and dust, as set out in the RAP were in place during the works. We are not aware of any environmental incidents involving surface water runoff, or sediment to have occurred.

### **3.5 VALIDATION**

Validation of the areas of the site where heavy metal & hydrocarbon contaminated soils were identified in the DSI, and areas where asbestos pipes had been identified, included soil sampling and confirmation that the material excavated during soil disturbance works were managed and disposed of appropriately.

Documenting the condition of the site for future reference, including confirmation that the natural material remaining was acceptable was also part of the validation process.

#### **3.5.1 VALIDATION PROGRAMME**

The remedial goal for the areas of the site assessed as part of this SVR was to remove all heavy metals, hydrocarbon, asbestos bulk material and asbestos contaminated soils with concentrations of contaminants exceeding the remedial goals for the site.

Validation of the areas of the site assessed as part of this SVR included:

- Collection of validation samples from the remedial areas following successful removal by Dempsey Wood, Henderson Demolition Ltd & Morecroft Contractors Ltd;
- Evaluation of soil testing results; and
- Provision of SQEP contaminated land advice.

### **3.5.2 VALIDATION RESULTS**

A total of 65 heavy metal & hydrocarbon validation samples were collected from 57 sampling locations across the remedial works & management areas of the site. Samples were collected from the side walls and bases of the remedial areas as shown in Figure 2, attached to this report.

A total of 18 ACM pipe trench validation samples were collected over two validation sampling rounds relating to the accidental discovery of the first asbestos pipe in March 2023, as shown on Figure 4, attached to this report.

In addition, a total of 21 ACM pipe trench validation samples were collected over 2 sampling rounds relating to the accidental discovery of the second asbestos pipe in April 2024 as shown on Figure 5, attached to this report.

All final validation results were below the NESCS for residential land use, indicating the remediation has been successful. Therefore, it is considered that the site should not be subject to any contamination tag on its certificate of title.

The soil sampling validation results are summarized in Table 1 below and all laboratory transcripts are attached in Appendix C.

## **4 CONCLUSION**

This SVR confirms that all excavated contaminated soils and debris have been removed to appropriate disposal facilities. In addition, standard earthwork procedures have been followed and the validation results are at or below the remediation criteria for the site. In addition, this SVR confirms that all consent conditions relating to land contamination within Land Use Consent BUN60407077 (Auckland Council Reference), associated with the construction of Stage 1 of this development, have been met.

## **5 LIMITATIONS**

Copyright of this report is held by Fraser Thomas Ltd. The professional opinion expressed herein has been prepared solely for, and is furnished to our client, on the express condition that it will only be used for the works and the purpose for which it is intended.

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Yours sincerely

**FRASER THOMAS LIMITED**



**Sean M Finnigan**

Director

**October 2024 Project 33041**

**62-80 Papakura-Clevedon Road, Clevedon  
Clevedon Properties Limited**

Table 1: 62-80 Papakura Clevedon Road: Soil Results																														
Sample Date	Background Concentrations <sup>1</sup>	NES:CS SCS for residential land use <sup>(2)</sup>	AUP <sup>(3)</sup>	Waste Acceptance Criteria			6-Dec-22			27-Jan-23	6-Dec-22																			
Sample Name							A1S1	A1S2	A1S3	A1S4	A1S4 B	A1S5	A1S6	A1S7	A1S8	A1S9	A1S10	A1S11	A1S12	A1S13	A1S14	A1S15	A1S16	A1S17	A1S18	A1S19	A1S20	A1S21	A1S22	A1S23
Sample Depth (m)				Sur	Sur	Sur	Sur	0.15	Sur	Sur	Sur	Sur	Sur	Sur	Sur	Sur	Sur	Sur	Sur	Sur	Sur	Sur	Sur	Sur	Sur	Sur	Sur	Sur	Sur	
Lab Number				3157337.10	3157337.20	3157337.30	3157337.40	3161140.10	3157337.50	3157337.60	3157337.70	3157337.80	3157337.90	3157337.10	3157337.11	3157337.12	3157337.13	3157337.14	3157337.15	3157337.16	3157337.17	3157337.18	3157337.19	3157337.20	3157337.21	3157337.22	3157337.23			
Heavy Metals	Non-Volcanic Range						Cleanfill (Envirofill South)	Managed Fill (Redvale)	Hampton Downs landfill																					
(mg/kg dry weight)	12	20	100	12	30	100	3	3	5	28	2	< 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Arsenic	45	>10000	325	45	325	200	8	10	11	8	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Copper	65	210	250	65	250	200	27	25	14.6	17	-	12.4	24	12.5	27	10.8	23	27	22	22	17.8	13.5	14.1	11.7	11.4	12.4	14	12.4	10.1	11
Lead	Zinc	180	7,400.00	400	180	1,160	500	37	59	84	27	-	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PAHs																														
Napthalene	-	-	-	16	-	200	< 0.07	< 0.07	< 0.06	< 0.07	-	< 0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
BaP Eq.	-	10	20	35	25	1	< 0.030	< 0.031	< 0.028	< 0.030	-	< 0.029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total Petroleum Hydrocarbons																														
C7 - C9	-	2,700.0	710.0	ND	500.0	-	< 20	< 20	< 20	< 20	-	< 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
C10 - C14	-	560.0	1,500.0	ND	510.0	-	< 20	< 20	< 20	< 20	-	< 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
C15 - C36	-	NA	NA	ND	10,000.0	-	< 40	< 40	< 40	< 40	-	< 40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total (C7-C36)	-	-	-	-	-	-	< 80	< 80	< 80	< 80	-	< 80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Table 1: 62-80 Papakura Clevedon Road: Soil Results																														
Sample Date	Background Concentrations <sup>1</sup>	NES-CS SCS for residential land use <sup>(2)</sup>	AUP <sup>(3)</sup>	Waste Acceptance Criteria			6-Dec-22	21-Dec-23	6-Dec-22	21-Dec-23	6-Dec-22	21-Dec-23	6-Dec-22	19-Jan-23		6-Dec-22		19-Jan-23	6-Dec-22										19-Jan-23	6-Dec-22
Sample Name							A2S1	A2S1 V2	A2S2	A2S2 V2	A2S3	A2S3 V2	A2S4	A2S5 0.15	A2S6 0.15	A2S7	A2S8	A2S9 0.15	A2S10	A2S11	A2S12	A2S13	A2S14	A3S1	A3S2	A3S3	A3S4	A3S5	A3S5 V2	A3S6
Sample Depth (m)				Sur	0.15	Sur	0.15	Sur	0.15	Sur	0.15	0.15	Sur	Sur	0.15	Sur	Sur	0.15	Sur	Sur	Sur	Sur	Sur	Sur	Sur	0.15	Sur			
Lab Number				3136712.10	3143769.10	3136712.20	3143769.20	3136712.30	3143769.30	3136712.40	3136712.50	3136712.60	3136712.70	3136712.80	3136712.90	3136712.10	3136712.11	3136712.12	3136712.28	3136712.29	3136712.13	3136712.14	3136712.15	3136712.16	3136712.17	3143769.30	3136712.18			
Heavy Metals (mg/kg dry weight)				Cleanfill (Envirofill South)	Managed Fill (Redvale)	Hampton Downs landfill																								
Lead	65	210	250	65	250	200	127	27	18	21	123	22	41	26	31	29	49	30	26	30	33	24	44	28	24	22	43	98	22	32

Table 1: 62-80 Papakura Clevedon Road: Soil Results																							
Sample Date	Background Concentrations <sup>1</sup>	NES:CS SCS for residential land use <sup>(2)</sup>	AUP <sup>(3)</sup>	Waste Acceptance Criteria			19-Jan-23			6-Dec-22	21-Dec-23	6-Dec-22			21-Dec-23	6-Dec-22		21-Dec-23	18-Nov-22				
Sample Name							A3S7 0.15	A3S8 0.15	A3S9 0.15	A4S1	A4S1 V2	A4S2	A4S3	A4S4	A4S5 0.15	A4S5 V2	A4S5B	A4S6 0.15	A4S6 V2	Pb05 0-150 TCLP	Pb07 0-150 TCLP	Pb09 0-150 TCLP	Pb010 0-150 TCLP
Sample Depth (m)				0.15	0.15	0.15	Sur	0.15	Sur	Sur	Sur	0.15	0.3	0.5	0.15	0.3	TCLP	TCLP	TCLP	TCLP			
Lab Number				3136712.19	3136712.20	3136712.21	3136712.22	3143769.40	3136712.23	3136712.24	3136712.25	3136712.26	3143769.50	3157337.24	3136712.27	3143769.60	3119374.5	3119374.6	3119374.7	3119374.8			
Heavy Metals (mg/kg dry weight)				Non-Volcanic Range			Cleanfill (Envirofill South)	Managed Fill (Redvale)	Hampton Downs landfill														
Lead	65	210	250	65	250	200	21	19	30	129	30	51	37	21	108	158	12	80	38	0.022	0.139	0.270	0.112

62-80 Papakura Clevedon Road - ACM Pipe Validation: Soil Results																								
Sample Date	Background Concentrations <sup>1</sup>	NES:CS SCS for residential land use <sup>(2)</sup>	AUP <sup>(3)</sup>	Waste Acceptance Criteria			12-Apr-23	5-May-23	12-Apr-23	5-May-23	12-Apr-23	5-May-23	12-Apr-23	5-May-23	12-Apr-23	12-Apr-23	12-Apr-23	5-May-23	12-Apr-23	12-Apr-23	5-May-23			
Sample Name							ACM01	V1_R2	ACM02	V2_R2	ACM03	V3_R2	ACM04	V4_R2	ACM05	ACM06	V6_R2	ACM07	ACM08	ACM09	V9_R2	ACM10	ACM11	V11_R2
Sample Depth (m)				SUR	0.2	SUR	0.2	SUR	0.2	SUR	0.2	SUR	SUR	0.2	SUR	SUR	SUR	0.2	SUR	SUR	0.2	SUR	0.2	
Lab Number				Q-00389/33041	Q-00420/33041	Q-00389/33041	Q-00420/33041	Q-00389/33041	Q-00420/33041	Q-00389/33041	Q-00420/33041	Q-00389/33041	Q-00420/33041	Q-00389/33041	Q-00420/33041	Q-00389/33041	Q-00389/33041	Q-00420/33041	Q-00389/33041	Q-00389/33041	Q-00389/33041	Q-00420/33041	Q-00389/33041	Q-00420/33041
Heavy Metals (mg/kg dry weight)				Non-Volcanic Range			Cleanfill (Envirofill South)	Managed Fill (Redvale)	Hampton Downs landfill															
Asbestos	-			Soils Only	Not Accepted	Accepted	Chrysotile (White Asbestos) Detected	ND	Chrysotile (White Asbestos) Detected	ND	Chrysotile (White Asbestos) Detected	ND	Chrysotile (White Asbestos) Detected	ND	ND	Chrysotile (White Asbestos) Detected	ND	ND	ND	Amosite (Brown/Grey Asbestos) & Chrysotile (White Asbestos) Detected	ND	ND	Amosite (Brown/Grey Asbestos) & Chrysotile (White Asbestos) Detected	ND
AF/FA	-	< 0.001	-				<0.001*	-	<0.001*	-	<0.001*	-	<0.001*	-	-	<0.002*	-	-	-	<0.002*	-	-	<0.001*	-
% ACM	-	< 0.01	-				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note:

- Background Concentrations of Inorganic Elements in Soil from the Auckland Region, Auckland Regional Council, 2002. Background ranges for metals in non-volcanic range soils.
- Resource Management (National Environmental Standard for Assessing and managing Contaminants in Soil to Protect Human Health) Regulation 2012 (NES:CS) - Soil contaminant standards (SCS) applicable to residential (10% Produce Consumption) land use have been selected.
- Auckland Unitary Plan-Operative in Part (AUP:OP) permitted activity discharge limits
- Health investigation levels for soil contaminants - NEPM 2013 - Residential (10% Produce Consumption) land use.
- BRANZ 2017 Asbestos in Soil guidelines of 0.01% w/w % ACM or 0.001% w/w for % FA & AF fraction

Underlined: above background concentrations  
above cleanfill acceptance criteria  
above managed fill acceptance criteria  
above Class A landfill acceptance criteria  
exceeded NES:CS SCS / BRANZ guideline  
exceeded AUP:OP PA Limits  
ND not detected  
-: not tested for  
\* residual concentrations detected

62-80 Papakura Clevedon Road: ACM Pipe Validation 2024 Round 1 Soil Results															
Sample Date	NES:CS SCS for residential land use (2)	Waste Acceptance Criteria			15-Apr-24										
Sample Name					V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11
Sample Depth (m)		Cleanfill (Envirofill South)	Managed Fill (Redvale)	Hampton Downs landfill	-	-	-	-	-	-	-	-	-	-	-
Lab Number					Q-00700v2	Q-00700v2	Q-00700v2	Q-00700v2	Q-00700v2	Q-00700v2	Q-00700v2	Q-00700v2	Q-00700v2	Q-00700v2	Q-00700v2
(mg/kg dry weight)					-	-	-	-	-	-	-	-	-	-	-
Asbestos		Soils Only	Not Accepted	Accepted	Asbestos (Amosite & Chrysotile) Detected	ND	ND	Asbestos (Amosite & Chrysotile) Detected	Asbestos (Amosite & Chrysotile) Detected	Asbestos (Amosite & Chrysotile) Detected	Asbestos (Chrysotile) Detected	Asbestos (Amosite, Chrysotile & Crocidolite) Detected	ND	Asbestos (Chrysotile) Detected	ND
AF/FA	< 0.001				< 0.001*	-	-	0.001	0.009	< 0.001*	< 0.001*	0.002	-	< 0.001*	-
% ACM	< 0.01				< 0.01	-	-	-	-	< 0.01	< 0.01	-	-	< 0.01	-

62-80 Papakura Clevedon Road: ACM Pipe Validation 2024 Round 2 Soil Results															
Sample Date	NES:CS SCS for residential land use (2)	Waste Acceptance Criteria			15-May-24										
Sample Name					R2V1	R2V1	R2V3	R2V4	R2V5	R2V6	R2V7	R2V8	R2V9	R2V10	R2V11
Sample Depth (m)		Cleanfill (Envirofill South)	Managed Fill (Redvale)	Hampton Downs landfill	-	-	-	-	-	-	-	-	-	-	-
Lab Number					Q-00768	Q-00768	Q-00768	Q-00768	Q-00768	Q-00768	Q-00768	Q-00768	Q-00768	Q-00768	Q-00768
(mg/kg dry weight)					-	-	-	-	-	-	-	-	-	-	-
Asbestos		Soils Only	Not Accepted	Accepted	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
AF/FA	< 0.001				-	-	-	-	-	-	-	-	-	-	-
% ACM	< 0.01				-	-	-	-	-	-	-	-	-	-	-

Note:

1. Resource Management (National Environmental Standard for Assessing and managing Contaminants in Soil to Protect Human Health) Regulation 2012 (NES:CS) - Soil contaminant standards (SCS) applicable to residential (10% Produce Consumption) land use have been selected.

2. BRANZ 2017 Asbestos in Soil guidelines of 0.01% w/w % ACM or 0.001% w/w for % FA & AF fraction

Underlined:

above background concentrations

above cleanfill acceptance criteria

above managed fill acceptance criteria

above Class A landfill acceptance criteria

RED :

exceeded NES:CS SCS / BRANZ guideline

BOLD:

exceeded AUP:OP PA Limits

ND

not detected

- :

not tested for

\*

residual concentrations detected

BE, MEngSci, PhD, MIPENZ, CPEng, IntPE, CEnvP - Contaminated Land  
Encl:

**Figures:**


- Figure 1 – Site Location Plan
- Figure 2 – Validation Sample Plan (Overview)
- Figure 2-1 – Validation Sample Plan (Area 1)
- Figure 2-2 – Validation Sample Plan (Area 2)
- Figure 2-3 – Validation Sample Plan (Area 3)
- Figure 2-4 – Validation Sample Plan (Area 4)
- Figure 3 – ACM Pipe Validation Sample Plan (2023)
- Figure 4 – ACM Pipe Validation Sample Plan (2024 – Round 1)
- Figure 5 – ACM Pipe Validation Sample Plan (2024 – Round 2)

**Appendices:**

- Appendix A – Visual Clearance Certificate
- Appendix B – Asbestos Removal Control Plan (ARCP)
- Appendix C – Validation Sampling Results & Laboratory Transcripts
- Appendix D – Disposal Dockets
- Appendix E – Imported Materials Laboratory Report



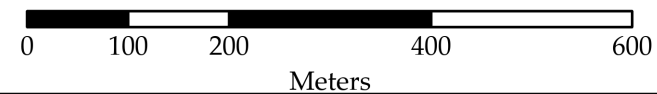


Legend  
 Site Boundary

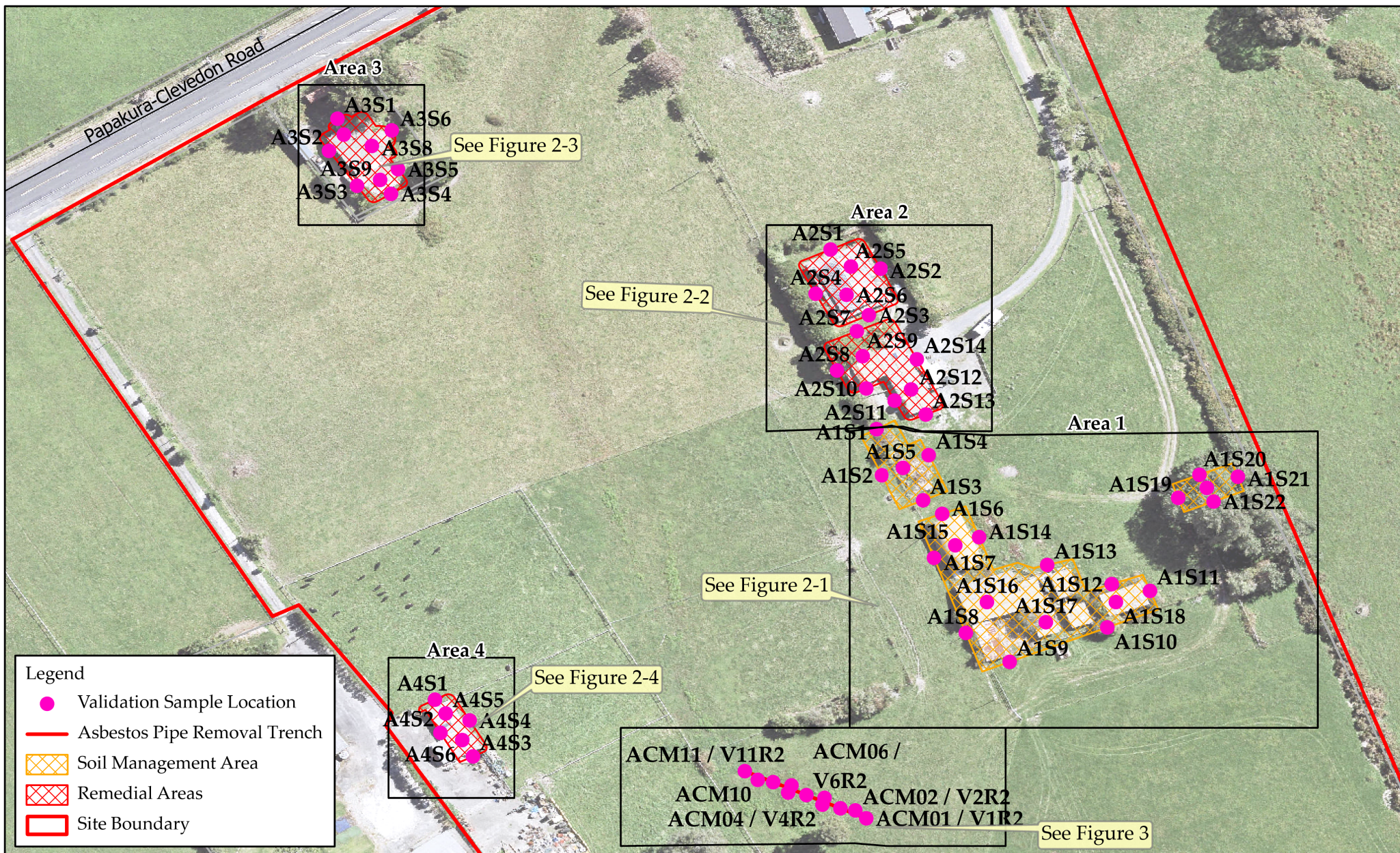
**Figure 1: Site Location Plan**

Clevedon Properties Limited  
 Site Validation Report  
 62 - 80 Papakura Clevedon Road  
 Clevedon  
 Auckland

Date: 25/05/2023  
 Figure Reference: 33041/SVR/01  
 Drawn by: EB  
 Reviewed by: SF  
 Job Number: 33041



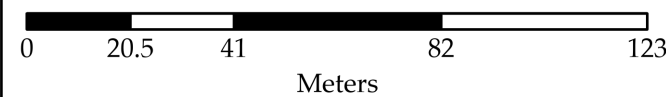




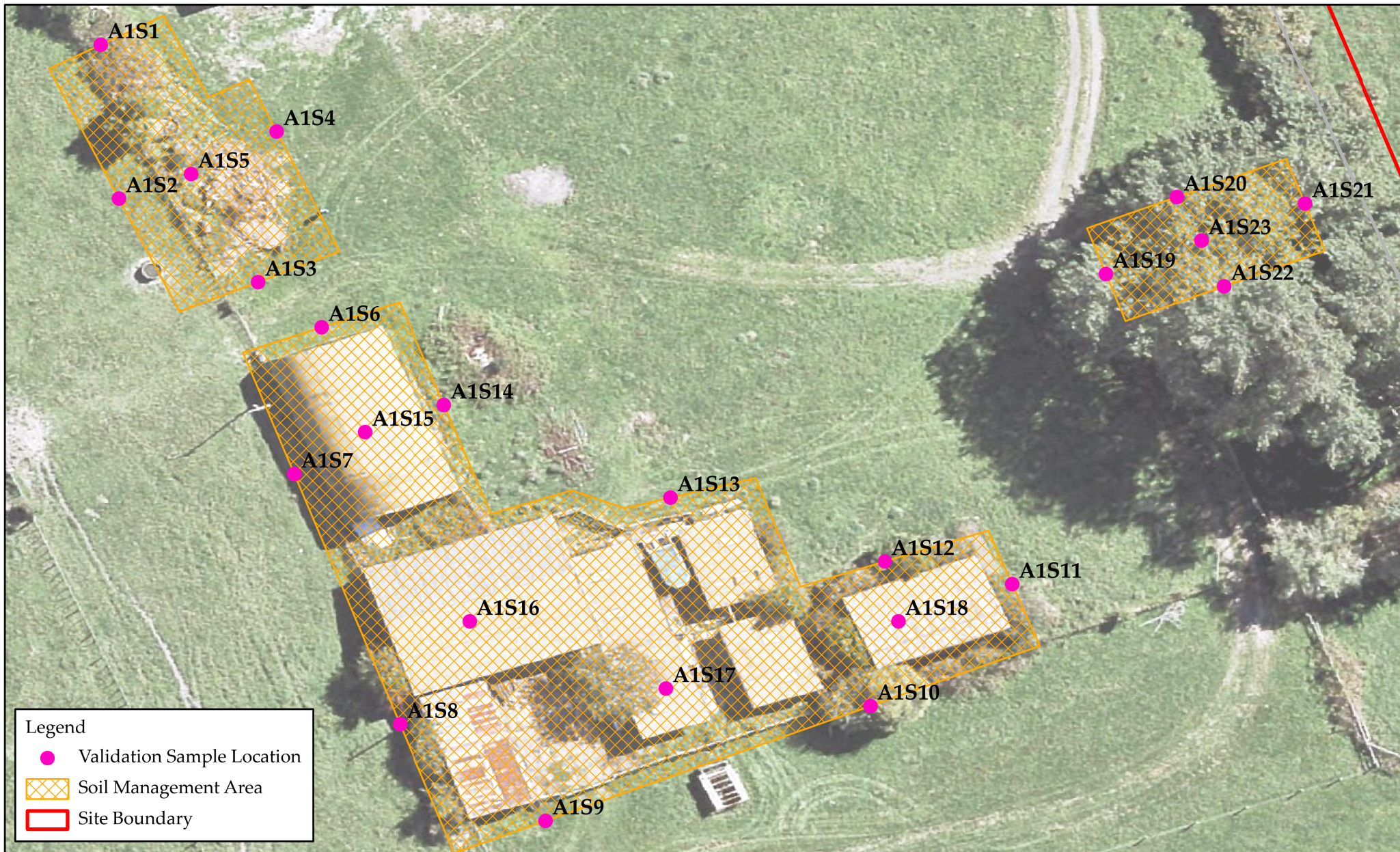
**Figure 2: Validation Sample Plan**

Clevedon Properties Limited  
 Site Validation Report  
 62 - 80 Papakura Clevedon Road  
 Clevedon  
 Auckland

Date: 25/05/2023  
 Figure Reference: 33041/SVR/02  
 Drawn by: EB  
 Reviewed by: SF  
 Job Number: 33041



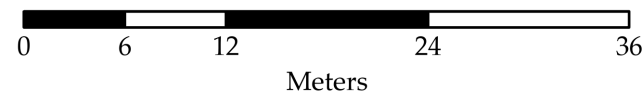




**Figure 2-1: Validation Sample Plan (Area 1)**

Clevedon Properties Limited  
 Site Validation Report  
 62 - 80 Papakura Clevedon Road  
 Clevedon  
 Auckland

Date: 25/05/2023  
 Figure Reference: 33041/SVR/02-1  
 Drawn by: EB  
 Reviewed by: SF  
 Job Number: 33041







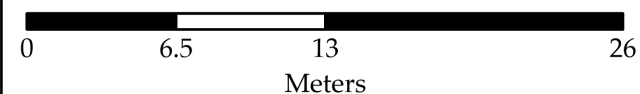
Legend

- Validation Sample Location
- ▨ Remedial Areas
- ▭ Site Boundary

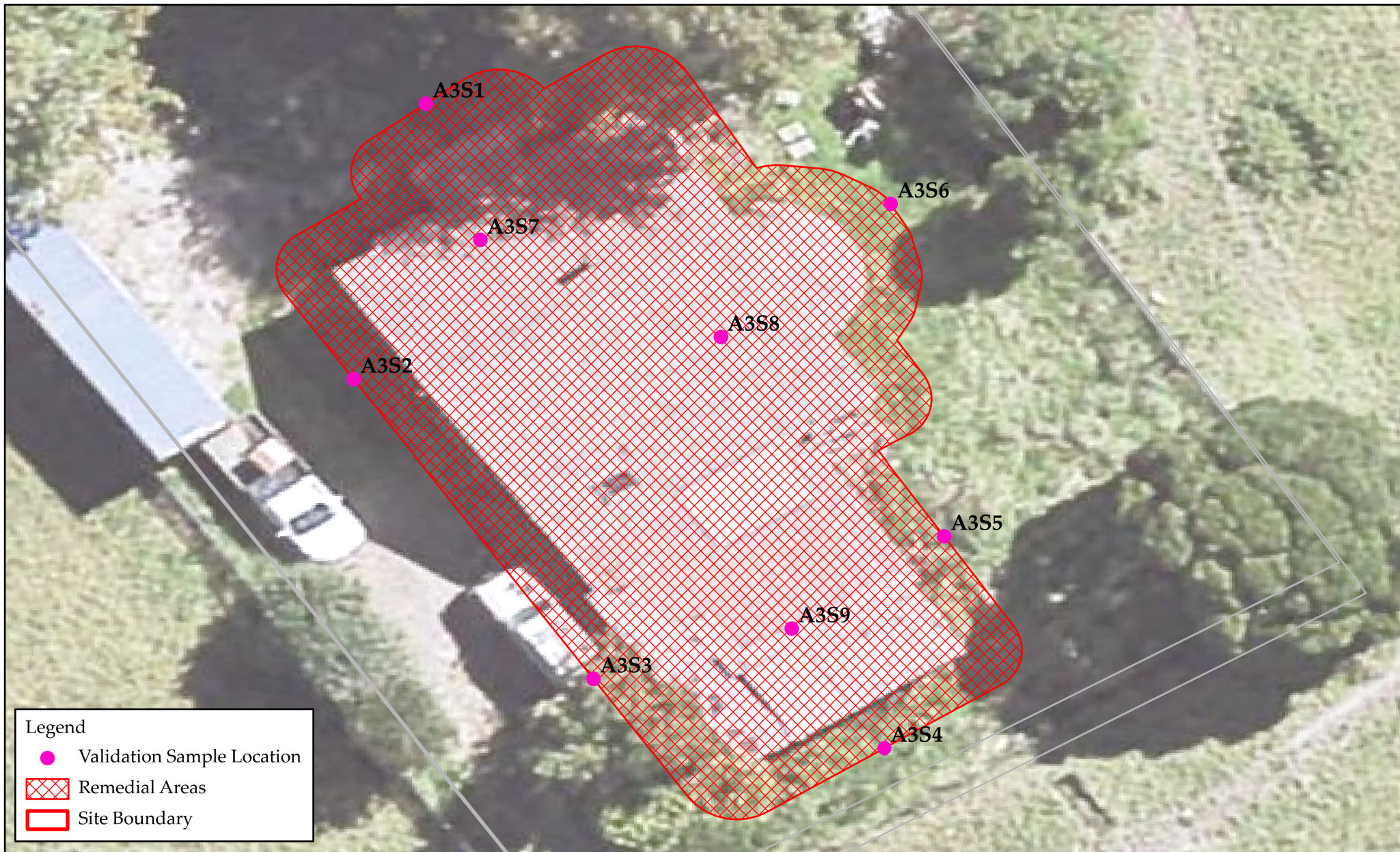
**Figure 2-2: Validation Sample Plan (Area 2)**

Clevedon Properties Limited  
 Site Validation Report  
 62 - 80 Papakura Clevedon Road  
 Clevedon  
 Auckland

Date: 25/05/2023  
 Figure Reference: 33041/SVR/02-2  
 Drawn by: EB  
 Reviewed by: SF  
 Job Number: 33041







**Legend**

- Validation Sample Location
- ▨ Remedial Areas
- ▭ Site Boundary




**Fraser  
Thomas**

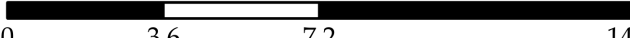
ENGINEERS · RESOURCE MANAGERS · SURVEYORS

**Figure 2-3: Validation Sample Plan (Area 3)**

---

Clevedon Properties Limited  
 Site Validation Report  
 62 - 80 Papakura Clevedon Road  
 Clevedon  
 Auckland

Date:	25/05/2023	<div align="center">N</div> 
Figure Reference:	33041/SVR/02-3	
Drawn by:	EB	
Reviewed by:	SF	
Job Number:	33041	

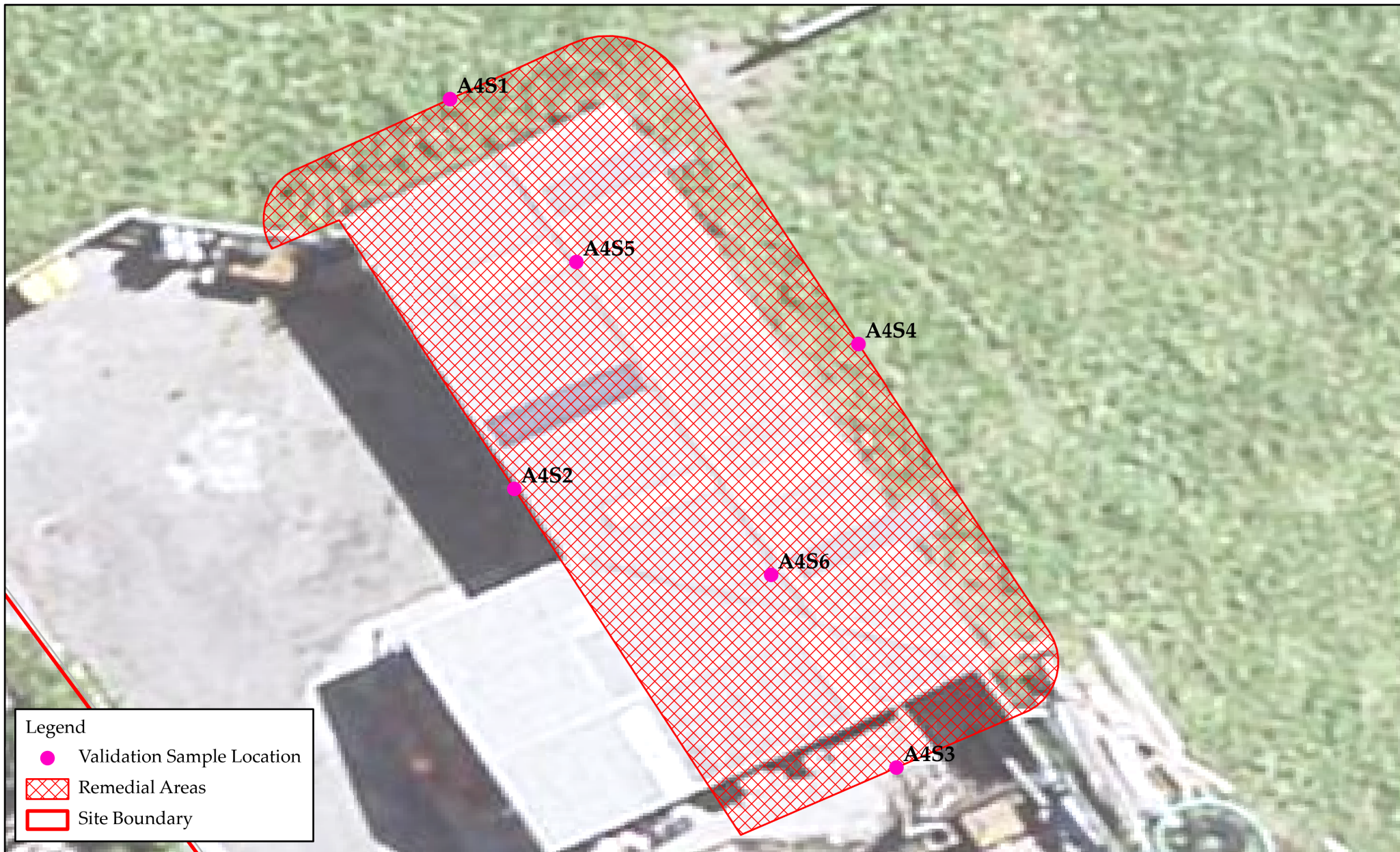


0                      3.6                      7.2                      14.4

Meters

P:\33 series\33041\MyProject

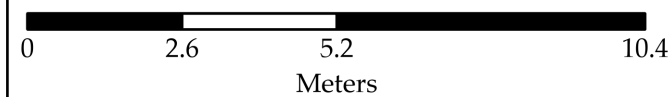




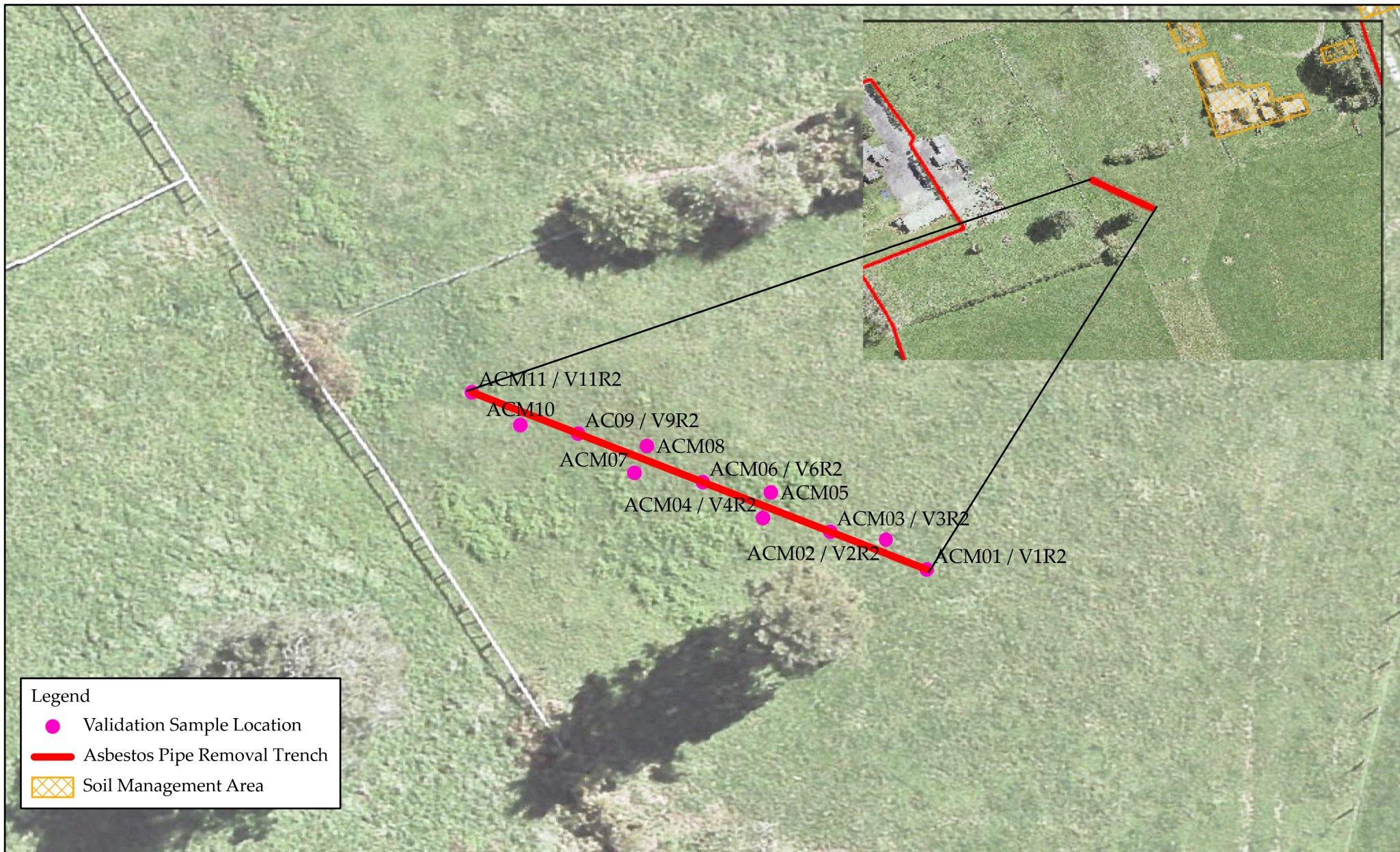
**Figure 2-4: Validation Sample Plan (Area 4)**

Clevedon Properties Limited  
 Site Validation Report  
 62 - 80 Papakura Clevedon Road  
 Clevedon  
 Auckland

Date: 25/05/2023  
 Figure Reference: 33041/SVR/02-4  
 Drawn by: EB  
 Reviewed by: SF  
 Job Number: 33041







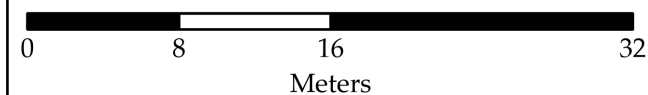
**Legend**

- Validation Sample Location
- Asbestos Pipe Removal Trench
- Soil Management Area

**Figure 3: ACM Pipe Validation Sample Plan**

Clevedon Properties Limited  
 Site Validation Report  
 62 - 80 Papakura Clevedon Road  
 Clevedon  
 Auckland

Date: 25/05/2023  
 Figure Reference: 33041/SVR/03  
 Drawn by: EB  
 Reviewed by: SF  
 Job Number: 33041





P:\33 series\33041\MyProject



**Legend**

Existing Validation Sample Locations

Asbestos Pipe Removal Trench

<div><div><b>Fraser Thomas</b></div><div>ENGINEERS · RESOURCE MANAGERS · SURVEYORS</div></div>	<b>Figure 4 - ACM Pipe Validation Sample Plan</b>	<div>Date: 3/05/2024</div> <div>Figure Reference: 33041/SVR2/01</div> <div>Drawn by: BLM</div> <div>Reviewed by: SF</div> <div>Job Number: 33041</div> <div><div>02361013</div><div>Meters</div></div>	<div><div>N</div></div>
	Clevedon Properties Limited Site Validation Report 62 - 80 Papakura Clevedon Road Clevedon Auckland		
		P: \33 series\33041\MyProject	





**Figure 5 - ACM Pipe 2nd Round Validation Sample Plan**





***Appendix A***  
***Visual Clearance***  
***Certificate - 2023 Works***

# Asbestos Clearance Certificate

<b>Project Number:</b>	J23127 - CLR01
<b>Client:</b>	Henderson Demolition Ltd
<b>Site Address:</b>	80 Papakura-Clevedon Road, Clevedon
<b>Date:</b>	22/03/2023
<b>Scope:</b>	SQN Consulting was commissioned to attend site at 80 Papakura-Clevedon Road, Clevedon to conduct a visual inspection following the removal of asbestos containing material as specified in Section A

<b>Final Result:</b>	<b>PASSED</b>
<b>Visual Inspection:</b>	<b>Passed</b>
<b>Clearance Air Monitoring: (if required)</b>	<b>N/A</b>
<b>Surface Sampling: (if required)</b>	<b>N/A</b>
<b>Comments:</b>	

Please do not hesitate to contact SQN should you wish to discuss any aspects within this report.

Yours Sincerely,

**Sarah Stenning**

Asbestos Surveyor

Mobile: 022 2285 444

## Table Of Contents

<b>Asbestos Clearance Certificate</b>	<b>1</b>
<b>Section A: Clearance Inspection Details</b>	<b>3</b>
<b>Section B: Visual Inspection</b>	<b>4</b>
<b>Section C: Air Monitoring and Surface Testing</b>	<b>4</b>
<b>Section D: Clearance Declaration</b>	<b>4</b>
<b>Section E: Limitations</b>	<b>5</b>
<b>Section F: Photographs</b>	<b>6</b>

## Section A: Clearance Inspection Details

Removal Work Details	
Date removal work carried out:	14/03/2023 - 17/03/2023
Site address where removal work is carried out:	80 Papakura-Clevedon Road, Clevedon
Name of licensed asbestos removalist:	Henderson Demolition Ltd
Name of licensed asbestos removalist supervisor:	Pahulu Ulutaufona
Phone of licensed asbestos removalist supervisor:	027 277 4911
Details of the specific asbestos removal work area(s) and description of works:	<p>Materials removed were as below;</p> <ul style="list-style-type: none"><li>Asbestos cement pipe within soil</li></ul>
Inspection Details	
Date of Clearance Inspection:	21/03/2023
Time of Clearance Inspection:	12.30pm
Inspection Details:	Removal area was inspected throughout, including the surrounding areas and waste transit routes.
Exclusions:	

## Section B: Visual Inspection

Visual Inspection	YES	NO
All ACM'S scheduled for removal have been completely removed	✓	
The waste transit route, work area and immediate surrounding areas appear to be free from any obvious asbestos debris or waste bags	✓	
Surfaces are free from debris and fine settled dust	✓	
Comments:		

## Section C: Air Monitoring and Surface Testing

Air Monitoring And Surface Testing	YES	NO
Air monitoring results did not exceed 0.01 Fibres/ml	N/A	
Surface Testing did not detect asbestos	N/A	
The air monitoring and surface test reports are attached	N/A	
Comments:		

## Section D: Clearance Declaration

I declare that:

- I found no visible asbestos residue from asbestos removal work in the area, or in the vicinity of the area, where the work was carried out; and
- As far as can be determined from the clearance inspection, the asbestos removal area inspected does not pose a risk to health and safety from exposure to asbestos.

Signature:



**Competent Person:**

Sarah Stenning

**Date:**

22/03/2023

## Section E: Limitations

SQN Consulting has conducted work concerning the environmental status of the property which is the subject of this report, and has prepared this report on the basis of that assessment.

The work was conducted, and the report has been prepared, in response to specific instructions from the client to whom this report is addressed, within the time and budgetary requirements of the client, and in reliance on certain data and information made available to SQN Consulting. The analyses, evaluations, opinions and conclusions presented in this report are based on those instructions, requirements, data or information, and they could change if such instructions etc. are in fact inaccurate or incomplete.

Investigations have been based on inspections conducted in accordance with relevant guidelines and standards, and normal industry practice, having regard to the client instructions, and interpretations of conditions are based on the data from those inspections and, where relevant and conducted, testing. To the best of our knowledge, they represent a reasonable interpretation of the condition of the site as able to be inspected. However there can be no guarantee that conditions at specific points not able to be inspected do not vary from the interpreted conditions based on the available observations/data.


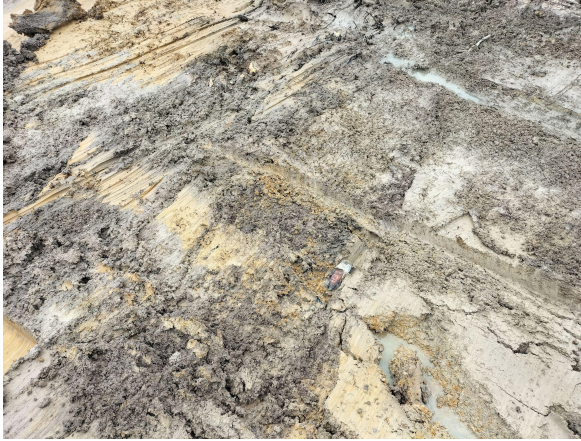



In order to determine actual environmental conditions at specific intermediate points away from those observed/tested to date, those specific points would need to be inspected/tested.

It is also noted that subsurface conditions can change with time, and the report is based on data that was gathered at the time of the report. SQN Consulting will not update the report and has not taken into account events occurring after the time its assessment was conducted.

The inspection was limited to the Area Inspected at the Time of Inspection and subject to the Exclusions noted.

### **SQN Consulting Ltd**

## Section F: Photographs

<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;">  <p><b>HENDERSON DEMOLITION</b> ASBESTOS REMOVAL CONTROL PLAN</p> </div> <div style="width: 55%;"> <p><b>PREPARED FOR:</b> DEMPSEY WOOD CIVIL REGARDING THE REMOVAL OF ASBESTOS PIPING LOCATED AT: 80 PAKAKURA-CLEVEDON ROAD, CLEVEDON</p> <p><b>IDENTIFIED AS:</b> STRONGLY PRESUMED</p> <p><b>JOB NUMBER:</b> 3874</p> <p><b>PREPARED ON:</b> 01/03/2023</p> <p><b>PREPARED BY:</b> JACK A. KEMP</p> <p><b>UPDATED ON:</b></p> <p style="text-align: right; font-size: small;">REVISION: 1.0 - 01-Apr-2022</p> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <p><b>CLEVEDON MEADOWS SUBDIVISION</b> 80 PAKAKURA-CLEVEDON ROAD</p> <p><b>APPENDIX C - WORKSAFE NZ NOTIFICATION</b></p> <p><b>Notification Of Licensed Asbestos Removal</b></p> <p>This email confirms that WorkSafe has received your notification of asbestos removal work.</p> <p><b>Reference ID:</b> 90102218</p> <p><b>Date Created:</b> 30/03/2023 9:36:58 a.m.</p> <p>Does this information relate to the immediate removal of asbestos work? Have you given notice to WorkSafe by email? No No</p> <p><b>License details</b></p> <p>Name of licence holder* Asbestos removal licence number OR Certificate of Competence number OR Business contact number* Henderson Demolition Limited RB1000016 09090990 info@hendersondemolition.co.nz</p> <p><b>Supervisor details</b></p> <p>Title Last name* First name* Middle names Business contact number* Email* Title Last name* First name* Middle names Business contact number* Email* Clearance Inspection Last name* First name*</p> </div> <div style="width: 55%;"> <p>Ukaiatara Pihulu 0277774911 Tonga Sissala 0277292205 Froggins Shane</p> <p style="text-align: right; font-size: small;">"WE ONLY LEAVE MEMORIES"</p> </div> </div>
<p>ARCP</p>	<p>Notification</p>
	
<p>Removal Area</p>	<p>Removal Area</p>
	
<p>Removal Area</p>	<p>Removal Area</p>

***Appendix A***  
***Visual Clearance Certificate -***  
***2024 ACM Pipe Works***





# ASBESTOS

## VISUAL CLEARANCE CERTIFICATE

---

**Address:** 80 Papakura-Clevedon Road, Clevedon 2582

**Version:** 01

**Issued On:** 8 Apr 2024

**Prepared For:** Dempsey Wood

**Job ID:** 2541

Certified:



ISO:9001 Quality

ISO:14001 Environment

ISO:45001 Health & Safety

**Aerem**    
*Better Environment, Better Tomorrow*

## Clearance Inspection Details

### Client Details

Client Name	Dempsey Wood
Client Reference	n/a
Contact Email	krishniel.prasad@dempseywood.co.nz

### Removal Work Details

Notification	00065335
WorkSafe Notification Dates	2 Apr 2024 to 2 May 2024
Removal Dates	8 Apr 2024
Removal Contractor	Morecrofts
Licence Number	RA16090131
Removal Company Contact Details	sales@morecroft.co.nz
Supervisor Name	Thomas Ramona
Supervisor Contact Details	thnr76@gmail.com
Site Address	80 Papakura-Clevedon Road, Clevedon 2582
Details of the specific removal work area(s)	Class B - Removal of asbestos fiber cement pipework located in ground.
Additional Information	Client has arranged for soil testing of encompassing soil for asbestos by a third party. The soil is to be excluded from the scope of works and thus this clearance. However, it is recommended that the removal area is to stay cordoned off until the results of the soil testing has returned (only brought down if clear).
Extent of Asbestos to be Removed	23.5m2

# Table of Contents

Preliminary Check	4
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Visual Clearance Inspection	9
Visual Clearance Inspection Related Photos	11
Clearance Declaration	15
Limitations	15



Preliminary Check

Preliminary Check of Site Condition and Job Completeness


Inspect		Comments
WorkSafe notification checked prior to work	Yes	
ARCP includes project details and asbestos information	Yes	
ARCP includes site-specific removal methodology	Yes	
ARCP includes equipment, PPE & RPE specifications	Yes	
ARCP includes diagrams of enclosures, airlocks, baglocks, and transit/waste routes	Yes	
ARCP includes site personnel and training/medical/fit-test certificates are available	Yes	
Asbestos removal licence and insurance certification is available	Yes	
Site management procedures and contacts are available	Yes	
Asbestos removals have been completed in line with the ARCP and the WorkSafe notification	Yes	
Ensure the decontamination facilities are intact and operational	Yes	
Ensure there is no debris/waste in work area and/or transit route	Yes	

Preliminary Check	Passed	Inspection Date and Time	8 Apr 2024 @ 13:15
Inspection completed by	Mani Numia		

## Preliminary Check Related Photos


	
<b>ASBESTOS REMOVAL CONTROL PLAN</b> <b>J3356 – ARCP - V1.0</b> <b>62 Papakura-Clevedon Road, Clevedon</b>	
	
Prepared by: Jason Morris	Date: 4/04/2024
Asbestos Licence Holder: Morecroft Contractors Ltd	Licence No: RB16100163
For ACM Removal at (address): 62 Papakura-Clevedon, Clevedon, Auckland	
On behalf of PCBU who commissioned asbestos removal (client): Dempsey Wood – Krishnel Prasad	
<input type="checkbox"/> Friable <input checked="" type="checkbox"/> Non Friable <input type="checkbox"/> Class A <input checked="" type="checkbox"/> Class B	

### 1. Asbestos Removal Control Plan

62 Papakura-Clevedon, Clevedon, Auckland			
<b>Notification Of Licensed Asbestos Removal</b>			
This email confirms that WorkSafe has received your notification of asbestos removal work.			
Reference ID	00065335		
Date Created	26 March 2024		
Does this information relate to the immediate removal of asbestos work? No			
Have you given notice to WorkSafe by telephone? No			
<b>Licence details</b>			
Name of licence holder*	MORECROFT CONTRACTORS LIMITED		
Asbestos removal licence number	RB16100163		
Business contact number* 090033311			
Email* sales@morecroft.co.nz			
<b>Supervisor details</b>			
Last name*	First name*	Business contact number*	Email*
Hortiana	Thomas	021 201 8479 - Thomas	thm71@gmail.com
<b>Clearance inspection</b>			
Last name*	Don		
First name*	Aiford		
Assessor licence number			
Assessor licence expiry			
<b>Person or organisation for whom the work is being carried out</b>			
Full legal name*	DEMPSEY WOOD CIVIL LIMITED		
Trading name			
New Zealand Business Number(NZBN)	942905448959		
Business contact number*	0212203668		
Email	Krishnel Prasad@Dempseywood.co.nz		
Contact name*	Krishnel Prasad		
<b>PCBU with management or control of the workplace</b>			
Full legal name*	DEMPSEY WOOD CIVIL LIMITED		
Trading name			
New Zealand Business Number(NZBN)	942905448959		
Workplace address			
Street address 1*	62 Papakura-Clevedon Road		
Locality/Suburb*	Clevedon		
Region/City*	Papakura		
<b>WORKSAFE</b> Haukaunanga Aotearoa			

### 2. Work Safe Notification

62 Papakura-Clevedon, Clevedon, Auckland



Morecroft  
Asbestos Removal Management

Where is the workplace is the asbestos located?\*

Asbestos fibre cement pipework located on ground

Notification dates

Date notified Worksafe\*

26 March 2024

Work start date\*

02 April 2024

Estimated duration of work (in days)\*

30

Work details

Type of asbestos being removed\*

Non-friable

Removal area enclosure information

What is the estimated quantity of asbestos to be removed\* 25Lm of 300mm Diameter fibre cement pipework (25.5m²)

Specify how the asbestos waste will be transported and disposed of\* All asbestos waste will be double wrapped in 200um polythene, sealed with PVC Cloth Tape, and then placed in an allocated waste disposal area. All waste will be disposed of at an approved licensed waste facility.

Worker details

How many workers are carrying out the removal work?\*

1

Last name*	First name*	holds certificate in relevant training*	Summary of training*
Toluhelake	Braden	Yes	Yes, Class A&B Skilled Asbestos Training

Declaration

Full legal name\*

Jason Morris

Date\*

26 March 2024

Email address of contact person\*

jasonm@morecroft.co.nz

WORKSAFE


Health, Safety and Environment

1800 200 540

worksafe.govt.nz

3. Work Safe Notification

62 Papakura-Clevedon, Clevedon, Auckland



Morecroft  
Asbestos Removal Management

WORKSAFE

Health, Safety and Environment

ASBESTOS

This is to certify that

**Morecroft Contractors Limited**

Has been approved under the Health and Safety at Work (Asbestos) Regulations 2016 for a

**CLASS B ASBESTOS REMOVAL LICENCE**


The removal of the following at a workplace:

- More than 10m² (cumulatively over the course of the removal project for the site) of non-friable asbestos or asbestos containing material
- Asbestos contaminated dust generated with the removal of more than 10m² (cumulatively over the course of the removal project for the site) of non-friable asbestos or asbestos containing material

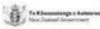
Licence number: 160128010

Date of issue: 13 DEC 2023

Date of expiry: 13 DEC 2026



Mark Brimmer  
Team Leader - Technical Specialist  
Construction, Asbestos and Mining



The New Zealand Government  
New Zealand Government

4. Removal Licence

Aerem Environmental > Project: Class B Removal

Page 6 of 15



62 Papakura-Clevedon, Clevedon, Auckland



Morecroft

Healthcare Waste Management

 Gmail

Jason Morris <jasonm@morecroft.co.nz>

00065335, WSN, 62 Papakura-Clevedon Road, Clevedon, Auckland - Asbestos removal works

1 message

Jason Morris <jasonm@morecroft.co.nz>

To: Asbestos Notifications <Asbestos.Notifications@worksafe.govt.nz>

Cc: Morecroft Sales <sales@morecroft.co.nz>

Thu, Apr 4, 2024 at 11:44 AM

Good day, Asbestos Team

Please be advised that the start date for this project has been pushed out to Monday 08/04/2024

If you have any questions, please do not hesitate to contact me

Kind Regards,

 Jason Morris

Quantity Surveyor/ Estimator

021 332 3463 | jasonm@morecroft.co.nz

www.morecroft.co.nz

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5. Work Safe Notification (Update)



6. Decontamination Unit



7. Barriers and Signage



8. Barriers and Signage



# Visual Clearance Inspection


## Thorough Visual Inspection of the Work Area

Visual inspection of areas detailed in the preliminary inspection ensure no visible signs of asbestos / associated dust/debris remain as far as reasonably practicable.

Inspect		Comments
Removal area visibly clean	Yes	
Removal area dry	No	There is earth water present within the trench made as there is a constant flow of water. The area below has been inspected and is visibly clear of any asbestos containing materials and debris.
Transit Route, DCU and enclosure	Yes	
Floor of work area	Yes	
Adjacent floor areas	Yes	
Ceiling of work area	N/A	
Walls in and around work area	N/A	
Light fittings in and around work area	N/A	
Door and window frames	N/A	
Skirtings	N/A	
Around nail / screw holes	N/A	
Voids beneath / adjacent to work area	N/A	
Underlying surfaces	N/A	
Pipe penetrations and cavities / voids	N/A	
Plant / machinery	Yes	
Roof void clear of debris	N/A	
Ground / soil clear of asbestos debris	Yes	Client has arranged for soil testing of encompassing soil for asbestos by a third party. The soil is to be excluded from the scope of works and thus this clearance. However, it is recommended that the removal area is to stay cordoned off until the results of the soil testing has returned (only brought down if clear).

table continued from previous page...

Comments
Client has arranged for soil testing of encompassing soil for asbestos by a third party. The soil is to be excluded from the scope of works and thus this clearance. However, it is recommended that the removal area is to stay cordoned off until the results of the soil testing has returned (only brought down if clear).
Clearance Inspection
The visual inspection completed is in-line with the scope of works provided by the asbestos removal contractor and has been reviewed within the asbestos removal control plan. The inspection outlined that all asbestos has been removed in-line with the notification and material classification and the area is safe to re-occupy without the use of RPE or PPE.

Visual Clearance Inspection	Passed	Inspection Date and Time	8 Apr 2024 @ 13:43
Inspection completed by	Mani Numia		

## Visual Clearance Inspection Related Photos



Excluded from the scope of works

Client has arranged for soil testing of encompassing soil for asbestos by a third party. The soil is to be excluded from the scope of works and thus this clearance.

However, it is recommended that the removal area is to stay cordoned off until the results of the soil testing has returned (only brought down if clear).



Visual Clearance - Removed

Earth water is present within the area the pipe has been removed as there is a continuous flow of water from the original source. There area below however, is visually clear of any asbestos containing materials and debris.

**Visual Clearance - Removed**

Earth water is present within the area the pipe has been removed as there is a continuous flow of water from the original source. There area below however, is visually clear of any asbestos containing materials and debris.

**Visual Clearance - Removed**

Earth water is present within the area the pipe has been removed as there is a continuous flow of water from the original source. There area below however, is visually clear of any asbestos containing materials and debris.



**Visual Clearance - Removed**

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**Visual Clearance - Removed**

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**Visual Clearance - Removed**


Earth water is present within the area the pipe has been removed as there is a continuous flow of water from the original source. There area below however, is visually clear of any asbestos containing materials and debris.



## Clearance Declaration

It is the opinion of the assessor that as far as reasonably practicable during the inspection, the assessor did not find any visible and/or accessible asbestos residue from within the asbestos removal work area, or in the immediate vicinity of where the work was carried out, from the above-mentioned areas inspected (Stage 1). As far as can be determined from the clearance inspection, the asbestos removal area does not pose a risk to health and safety from exposure to asbestos.

In-line with the Class A / Class B clearance requirements under the Health and Safety at work Act 2015 and the Approved Code of Practice 2016 the area is safe for re-occupation without the need for RPE and PPE.

Name of Assessor	Mani Numia Fiapai	License Number	AA23030060
		Expiration Date	31 Mar 2028
Qualifications	IP404 and Work Safe Assessor license	Contact Details	mani@aerem.co.nz
Signature		Date	8 Apr 2024 @ 14:00

## Limitations


This inspection and report are limited to accessible surfaces only. Inspections are conducted in a conscientious and professional manner. The nature of the task and the likely disproportion between any damage or loss which might arise from the work or reports prepared and the cost of our services, is such that Aerem Environmental cannot guarantee that all asbestos materials/ issues of concern have been identified and/or addresses.

It is possible that asbestos materials are present in areas that are outside the scope of works. If any asbestos containing/suspected asbestos containing materials are encountered on site, access to the materials should be appropriately restricted and advice sought from a suitably qualified asbestos assessor.

Thus, while we carry out the work to the best of our ability, we totally exclude any loss or damages which may arise from services provided to the client and/or associated parties.

The report(s) and/or information produced by Aerem Environmental should not be reproduced and/or presented/ reviewed except in full.

Report reviewed by:  
Benjamin Alford  
Lead Consultant



***Appendix B***  
***Asbestos Removal Control Plan (ARCP)-***  
***2023 Works***

# **HENDERSON DEMOLITION**

## ***ASBESTOS REMOVAL CONTROL PLAN***

PREPARED FOR

**DEMPSEY WOOD CIVIL**

REGARDING THE REMOVAL OF

**ASBESTOS PIPING**

LOCATED AT

**80 PAPAKURA-CLEVEDON ROAD,  
CLEVEDON**

IDENTIFIED AS

**STRONGLY PRESUMED**

JOB NUMBER:

**3874**

PREPARED BY

**JACK A. KEMP**

PREPARED ON

**01/03/2023**

UPDATED ON

## INTRODUCTION

This plan is developed in accordance with the requirements of an Asbestos Removal Control Plan (ARCP) set forth in the *Health and Safety at Work (Asbestos) Regulations 2016*. Henderson Demolition also adheres to WorkSafe NZ's *Approved Code of Practice (ACOP) 2016*.

This document will be made available to all workers involved in the removal of asbestos and to other interested parties.

**Note to WorkSafe and/or other authority who may be reviewing this document:**

For ease of reference, this ARCP follows the general format and order laid out in Part A of Appendix H of WorkSafe's ACOP, with additional supplementary information inserted in the relevant sections, or attached as an appendix.

## LICENCE & CERTIFICATION DETAILS

### Asbestos Removal Contractor

Henderson Demolition Ltd.  
PO Box 72-232, Papakura 2244  
2 Parker Street, Papakura  
Ph: 09-298-0960

**Class A Licence #: RA19060015**

Expires: 28/09/2021

**Class B Licence #: RB19060016**

Expires: 20/03/2022

### Licensed Asbestos Assessor

SQN Consulting Ltd  
Unit B1, 25 Peterkin St,  
Lower Hutt,  
Wellington 5019

### Equipment Maintenance

Toro Safety Ltd.  
187 Marua Road, Mt Wellington,  
Auckland, 1051  
Ph: 0800 237 811

### Asbestos Disposal Facility

EnviroWaste Services Ltd.  
Hampton Downs Road  
Hampton Downs

## CONTENTS

1. Asbestos Identification
  2. Affected Stakeholders
  3. Project Staff Roles & Responsibilities
  4. Programme for Commencement & Completion
  5. Emergency Response Plan
  6. Site Plan
  7. Controls of Non-Asbestos Hazards
  8. Personal Protective Equipment
  9. Removal Method & Job Safety Analysis
  10. Tools & Equipment
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  13. Air Monitoring & Clearance
  14. Declaration & Sign-Off
- Appendix A.** Completion Report Form (WorkSafe's ACOP Appendix H Part B)  
**Appendix B.** Class-B Asbestos Removal Licence  
**Appendix C.** Confirmation Email of Notification to WorkSafe NZ  
**Appendix D.** Onsite Alterations/ Amendments to Removal Method

**1. ASBESTOS IDENTIFICATION****1.1 Scope of Work**

The following ARCP applies to the removal of asbestos containing materials (ACM) from 80 Pakakura-Clevedon Road identified as strongly presumed and listed in the table below for accessibility.

**1.2 ACM Identification Table**

Location	Description of ACM	Type of Asbestos	Quantity	Friability	Condition
External, Ground	Asbestos Piping	Chrysotile, Amosite and or Crocidolite	25-30 linear metres	Non-Friable	Fair, Minor Damage

**2. AFFECTED STAKEHOLDERS****2.1 Stakeholder Consultation**

The following table lists people or parties who will be informed about the upcoming asbestos removal and intended start date (all correspondence to be kept). This should include the following stakeholder types:

- Client (person who commissioned the removal)
- Client's workers and/or representatives
- PCBU with control of the workplace
- PCBU's workers and/or representatives
- Property owner
- Property occupants

**2.2 Stakeholder Contact Details**

Stakeholder Type	Name & Position	Organisation	Address	Phone	Email
PCBU with control of the workplace	Pubudi Yakupitiyage, Project Manager	Dempsey Wood	PO Box 244-84, Royal Oak, Auckland 1345, New Zealand	021 593 127	<a href="mailto:pubudi.yakupitiyage@dempseywood.co.nz">pubudi.yakupitiyage@dempseywood.co.nz</a>

**2.3 Neighbouring Properties**

Liaising with neighbouring properties will be the responsibility of HDL nominated supervisor, contractor & client.

**3. PROJECT STAFF: ROLES & RESPONSIBILITIES****3.1 Consultation**

The person in control of the workplace is required to consult with health & safety representatives and other workers at the workplace, on workplace health & safety issues. In asbestos removal works, there should be information-sharing and involvement by everyone in the workplace, including responsible officers identified in the table below.

**3.2 Roles & Responsibilities**

Role	Name & Contact Details	Responsibilities
Client/ PCBU with Control of Workplace	Dempsey Wood Pubudi Yakupitiyage  Ph: 021 593 127	<ul style="list-style-type: none"><li>▪ Read the workplace's existing asbestos documentation, if available.</li><li>▪ Ensure that the Asbestos Removal Contractor has the appropriate licence for the asbestos removal work being undertaken.</li><li>▪ Advise neighbouring property owners/occupiers of the nature and duration of asbestos removal works.</li><li>▪ Ensure the asbestos removal area is vacated during working hours of actual asbestos removal works.</li><li>▪ Distribute results of clearance inspections and/or air monitoring to all affected stakeholders.</li></ul>
Asbestos Removal Contractor	Henderson Demolition Ltd Ph: 09 298 0960	<ul style="list-style-type: none"><li>▪ Read the workplace's existing asbestos documentation, if available.</li><li>▪ Prepare an Asbestos Removal Control Plan and provide to the client and kept on file for a minimum of two years after the completion of asbestos removal, or five years after the advent of a notifiable incident relating to the control plan. (Asbestos Regulations 32)</li><li>▪ Notify WorkSafe NZ at least 5 days prior to the commencement of asbestos removal works, unless and emergency notification is required. (Asbestos Regulation 34.1 &amp; ACOP Section 26.7)</li><li>▪ Make ARCP available to all affected stakeholders.</li><li>▪ Ensure that the nominated asbestos removal supervisor is always on site and must be present at the asbestos removal area whenever the work is being carried out. (ACOP Section 26.4.1)</li><li>▪ Provide health monitoring for all asbestos removal workers by a medical practitioner. (ACOP Section 16)</li><li>▪ Provide decontamination facilities for the area, plant, workers, and other persons who need to have access to the asbestos removal area.</li><li>▪ Ensure that all asbestos removal works are adequately trained in identification, safe handling of, and suitable control measures for, asbestos and ACM. Records of training to be kept and available for inspection by WorkSafe NZ.</li><li>▪ Ensure that emergency procedures are developed and in place that will reduce the risk of workers and persons in the vicinity of the demolition site being exposed to asbestos.</li><li>▪ Notify WorkSafe NZ about any emergency in accordance with section 56 of the HSWA 2015.</li></ul>



### 3.2 Roles & Responsibilities (Continued)

Role	Name & Contact Details	Responsibilities
Asbestos Removal Supervisor	<p>Alex Cheung-Fook Ph: 027 489 7003</p> <p>Sisifa Pohiva Ph: 022 513 6967</p> <p>Siosuia Tonga Ph: 027 259 2305</p> <p>Iosefa Timu Sa Ph: 027 489 7022</p>	<ul style="list-style-type: none"> <li>Read the workplace's existing asbestos documentation, if available.</li> <li>To fully acquaint themselves with the ARCP, the full extent, location, and dimensions of the asbestos materials to be removed, access availability, safety requirements, disposal availability, etc.</li> <li>Liaise with the Client or Client's Representative regarding the works.</li> <li>Ensure that adequate signage and barriers are erected prior to the commencement of asbestos removal works to prevent public or unauthorised access to the work area. (ACOP Section 28.3)</li> <li>Liaise with the Client or Client's Representative to establish spaces for the loading &amp; unloading of materials and waste bins, where necessary.</li> <li>Confirm all necessary mechanical, electrical, gas, and fire services are isolated.</li> <li>Ensure all working areas are clean and safe prior to leaving site at the end of each shift.</li> <li>Ensure copies of the Asbestos Regulations &amp; ACOP are kept in the asbestos removal area for reference as required.</li> <li>Ensure that independent clearance inspections are authorised by the PCBU in accordance with the ARCP &amp; a clearance certificate issued. (ACOP Section 28)</li> <li>Inspect all equipment before work starts, after repairs and every 7 days. (ACOP Section 13.4.2)</li> <li>Report any discrepancies between the scope of works and the on-site conditions to the Client (or Client's Representative) as well as Henderson Demolition's Project Manager prior to the commencement of works.</li> <li>Ensure that all work is performed in strict compliance with (1) the Client's safety rules and regulations, (2) any direction of the Client or Henderson Demolition's Project Manager, and (3) in compliance with all regulatory requirements.</li> <li>Ensure that each employee on site acts in a safe manner and that any unsafe condition is reported and corrected immediately.</li> <li>Undertake all removal works with due regard and attention to workplace health &amp; safety issues.</li> <li>Ensure appropriate decontamination facilities are in place.</li> <li>Ensure appropriate waste contamination &amp; disposal procedures are in place.</li> <li>Ensure air monitoring is in place as required.</li> <li>Ensure safe access for subcontractors and other relevant personnel is always maintained.</li> <li>Ensure ACMs are transported to the nominated disposal facility.</li> </ul>

**3.2 Roles & Responsibilities (Continued)**

Role	Name & Contact Details	Responsibilities
Licensed Asbestos Assessor	To be Nominated by: <b>SQN Consulting</b>	<ul style="list-style-type: none"><li>▪ Read the workplace's existing asbestos documentation, if available.</li><li>▪ Survey or inspect all structures designated for demolition or refurbishment to identify all asbestos or ACM.</li><li>▪ Undertake air quality monitoring during &amp; post removal works and submit a compliance report to Henderson Demolition Ltd. on receipt of air sample results.</li><li>▪ Ensure that independent clearance inspections are authorised by the PCBU in accordance with the ARCP &amp; a clearance certificate issued. (ACOP Section 28)</li><li>▪ Provide Clearance &amp; Safe-to-Occupy Certificate upon satisfactory completion of removal works.</li><li>▪ Immediately inform the Asbestos Removal Contractor if any determination is made that air quality standards have been exceeded or removal standards have been breached.</li></ul>
Asbestos Disposal Facility	EnviroWaste Services Ltd. Hampton Downs Ph: 0800 240 120	<ul style="list-style-type: none"><li>▪ Dispose of associated asbestos waste in accordance with Section 73 of the Resource Management Act 1991.</li><li>▪ Provide a receipt of waste disposal to the Asbestos Removal Contractor.</li></ul>
Asbestos Equipment Maintenance	Toro Safety Ltd. Ph: 0800 237 811	<ul style="list-style-type: none"><li>▪ Test &amp; maintain HEPA type vacuums.</li><li>▪ All HEPA type vacuums to have an in-date DOP certificate.</li><li>▪ DOP certificates to be readily available on site</li></ul>

**3.3 Asbestos Removal Supervisors**

Name	Date Certified Training Completed
Alex Cheung Fook	08/03/2018
Sisifa Pohiva	09/10/2017
Siosiua Tonga	08/04/2019
Iosefa Timu Sa	14/11/2017

**3.4 Asbestos Removal Workers**

Name	Date Certified Training Completed	Supervised By
Donald Tongotongo	06/07/2021	All
Ta'I Saunia	25/01/2020	All
Ishmael Taulalo	23/07/2020	All
Kahnn Dennis-Paratene	13/05/2019	All
Pea Afu	08/04/2019	All
Puni Tawhi	06/07/2021	All
Salesi Velata	06/07/2021	All
Siosifa Laakulu	04/02/2021	All
Tevita Mahe	06/07/2021	All
Tonga Tufui	25/01/2020	All
Tutu Sauaso	14/11/2017	All

**4. PROGRAMME FOR COMMENCEMENT & COMPLETION**Notification to WorkSafe NZ: **TBA**Commencement of Works: **TBA**Expected Completion: **TBA**

## **5. EMERGENCY RESPONSE PLAN**

### **5.1 Unplanned Release of Asbestos Fibres**

In the event of an unplanned release of asbestos fibres or where it is suspected that an individual has been exposed to asbestos fibres, the following action should be taken by any available personnel following a reported incident:

- Arrange for the affected area to be evacuated and prevent others from entering the area by using signage, closing doorways, or posting guards at an appropriate distance.
- **DO NOT ENTER** the contaminated area.
- Do not disturb the material.
- Do not stay any longer in the affected area than is essential.
- Inform the PCBU with control of the workplace.
- Notify WorkSafe NZ of the current situation
- Provide general advice to those potentially affected whilst waiting for specialist advice, or the arrival of a specialist.
- Seal off the area; isolate ventilation systems, close windows, doors, etc., so long as this is possible without causing further disturbance to the material and without staying in the area any longer than necessary.
- Avoid further contamination by remaining in one place; preferably outside in the fresh air, or in an area that has not been contaminated by the incident.
- Be aware that your clothes may be contaminated, and that this contamination could be passed onto others or other areas and vehicles.
- Make a note of any other areas where you have been since the incident as this may have created a secondary contamination.

### **5.2 Site Evacuations**

In the event of an emergency which requires the evacuation of the work site, the following procedures will apply:

- Raise the alarm, to alert other persons/workers.
- Immediate notification to the Asbestos Supervisor on site.
- Switch off any running plant and/or equipment (extraction fans in any enclosures to be left running).
- Evacuate to the designated Emergency Assembly Area or Adjacent Carpark in an orderly manner.
- Supervisor to account for all personnel.
- Do not re-enter the work site until cleared by emergency services or Project Manager
- Administer first aid as required.

### **5.3 Emergency Inside the Asbestos Work Area**

In the event of an emergency or medical situation which occurs inside the enclosed area or decontamination area, the following procedures will apply:

- Raise the alarm, to alert other persons/workers.
- Safety Observer shall alert persons within the enclosed area and/or decontamination area to evacuate.
- Decontamination procedures in the event of an emergency shall be suspended.
- Persons inside the enclosed area shall assist others to exit.
- The Safety Observer may, if required, assist the evacuation of any person, but Respiratory Protective Equipment (RPE) **MUST** be worn if entering the enclosed area and/or decontamination area.
- Supervisor to account for all personnel.
- Do not re-enter the work site until cleared by emergency services or Project Manager
- Administer first aid as required.

**5.4 Emergency Reporting**

An Incident Report must be submitted in accordance with Henderson Demolition's Health & Safety Policy.

Notifiable Events must be reported to WorkSafe NZ as soon as possible in accordance with the HSWA 2015.

**5.5 Emergency Decontamination Procedures Following Exposure**

In the event of any of the previously mentioned emergencies to occur, the following outlines procedures to follow to decontaminate:

- Workers will decontaminate if it is safe enough to do so.
- Exit the work area/enclosure by the safest exit point.
- If the emergency is deemed not safe to do so, workers to vacate the removal area to the assembly point & wait further instruction from the nominated supervisor or any other person designated with evacuation procedure responsibilities (i.e., project managers, main contractor site team).
- The assembly point will have additional blue coveralls (to be worn on top of the workplace blue coveralls), a temporary decontamination area with polythene & spray pack to be provided at the assembly point.

**5.6 Emergency Medical Evacuation**

In the event of a medical evaluation, emergency services must be contacted on 111. Whomever calls in must make the emergency services aware of the situation. The following points must be communicated to the person on the phone:

- Inform them of the location of the incident and or accident.
- Inform them that it is an asbestos removal location, requiring PPE & RPE worn by the fire department.
- Inform them on the gravity of the situation.
- Provide them with a contact name & telephone number.

**5.7 Emergency Contacts**

Name	Role	Organisation	Phone
TBA			

### 6. SITE PLAN

#### Clevedon Meadows Subdivision

Site Address: 80 Papakura-Clevedon Road

#### Legend:

Site Boundary Fencing & Warning Signs



Dirty Area Delineation



TMP Traffic Route



Asbestos Pipe(s) to be Removed



Geo-textile Loading Area



Truck/Bins Locations



Decontamination Unit



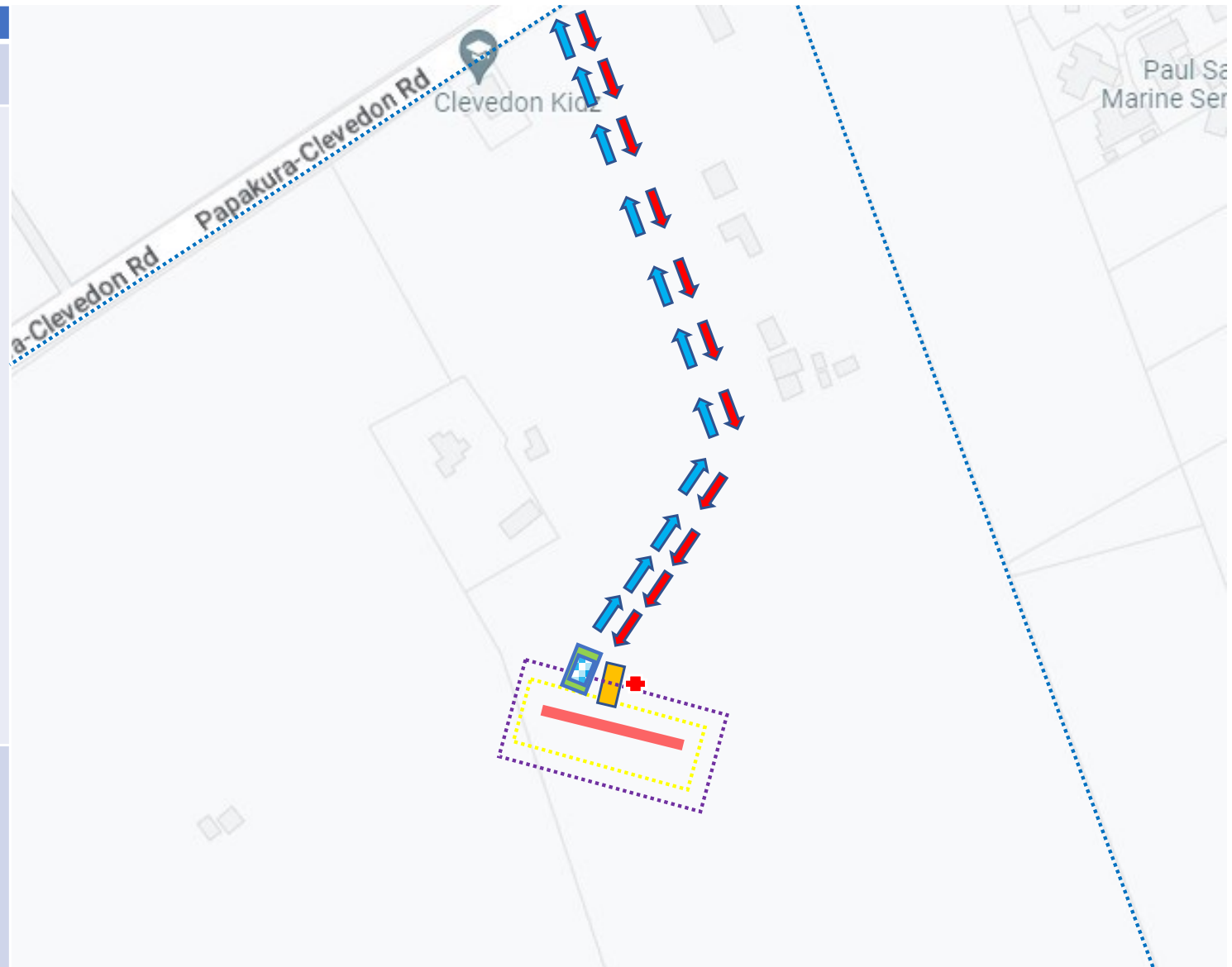
Barrier, Signage & Danger Tape



Emergency Equipment



*Important Note* : Misting Cannon will not have a fixed location & will be mobile in close proximity to remediation works. Assessor to place background monitors strategic areas.





### 6.2 SITE PHOTOS





## 6. CONTROLS OF NON-ASBESTOS HAZARDS

### 7.1 Site-Specific Hazards

Hazard	Controls	Person Responsible
Potential Asbestos Discovery	<ul style="list-style-type: none"> <li>Cease Works Immediately.</li> <li>Barrier/cordoned off area with potential asbestos.</li> <li>Notify Main contractor &amp; client of discovery</li> </ul>	Discoverer & Management
Broken Glass	<ul style="list-style-type: none"> <li>Use appropriate personal protective equipment (gauntlets/heavy-duty gloves)</li> <li>Avoid handling objects along sharp edges</li> <li>Remove whole windowpanes complete if possible</li> </ul>	Everyone
Collapse/Structural Failure	<ul style="list-style-type: none"> <li>Ensure an adequate exclusion zone is enforced.</li> <li>Plan 'top-down' demolition to minimise risk of collapse</li> <li>Manually separate structures to be demolished where or if necessary</li> </ul>	Supervisor
Cut/Sharp Steel	<ul style="list-style-type: none"> <li>Use appropriate personal protective equipment</li> <li>Avoid handling objects along sharp edges</li> <li>Remove whole steel section/beams complete where possible</li> </ul>	Everyone
Dehydration	<ul style="list-style-type: none"> <li>Ensure workers have an adequate supply of clean water available to drink</li> </ul>	Everyone
Dust/Fibres (Eyes)	<ul style="list-style-type: none"> <li>Dampen down working area with sprinkler</li> <li>Wear safety glasses during dusty work or work causing projectile debris</li> <li>Misting cannon to be operating during works when there is activity</li> </ul>	Everyone
Dust/Smoke (Lungs)	<ul style="list-style-type: none"> <li>Use P3 dust masks during dusty operations</li> <li>Dampen down working area with hose where necessary</li> <li>Misting cannon to be operating during works when there is activity</li> </ul>	Everyone
Electric Shock or Electrocutation	<ul style="list-style-type: none"> <li>Check with main contractor that power is disconnected/isolated</li> <li>Treat all power cables as live unless tested with 'volt-sticks'</li> </ul>	Supervisor
Falling Debris	<ul style="list-style-type: none"> <li>Enforce exclusion zone below area of work</li> <li>Assign a spotter to monitor any falling debris &amp; police exclusion zone</li> <li>Hard hats to be worn when working nearby</li> </ul>	Supervisor
Falling Tools	<ul style="list-style-type: none"> <li>Use tool lanyards where practical</li> <li>Assign a spotter to monitor any falling debris &amp; police exclusion zone</li> <li>Hard hats to be worn when working nearby</li> </ul>	Supervisor
Falling Tape/ Polythene Rolls	<ul style="list-style-type: none"> <li>Place tape &amp; polythene inside truck bin</li> <li>Assign a spotter to monitor any falling tools &amp; police exclusion zone</li> <li>Hard hats to be worn when working nearby</li> </ul>	Asbestos Removalists
Excavator Attachments Falling Off Quick Hitch	<ul style="list-style-type: none"> <li>Assign a spotter to monitor any falling debris &amp; police exclusion zone</li> <li>Hard hats to be worn when working nearby</li> <li>Ensure quick hitch is securely fastened to attachment</li> <li>Ensure safety pin is correctly fitted</li> </ul>	Operator
Fatigue	<ul style="list-style-type: none"> <li>Ensure all staff are working at a sustainable pace and take breaks if necessary</li> </ul>	Everyone

**7.2 Site Specific Hazards (Continued)**

Hazard	Controls	Person Responsible
Fire	<ul style="list-style-type: none"><li>• Fire extinguishers &amp; blankets on standby and kept in good working order</li><li>• 'Hot Works' permit used for oxy acetylene or grinder torch work</li><li>• Fire watch in place.</li></ul>	Supervisor
Flooding	<ul style="list-style-type: none"><li>• Check with main contractor that water services are disconnected/isolated</li><li>• Ensure fully stocked spill kits are stationed nearby</li></ul>	Supervisor
Foreign Object & Debris	<ul style="list-style-type: none"><li>• Working area to be kept clean, regularly sweeping and tidying</li><li>• Ensure waste bins have secured lids or covers</li><li>• Check working area at completion of task or at end of each day</li></ul>	Supervisor
Gasses & Fumes	<ul style="list-style-type: none"><li>• No petrol/diesel powered equipment in confined spaces without extraction</li><li>• Use ventilation aids where necessary</li><li>• Use electric or battery powered plant where practical</li></ul>	Supervisor
Ignition or Explosion	<ul style="list-style-type: none"><li>• Ensure flammable materials are kept away from any sources of ignition</li><li>• Highly flammable materials to be secured away upright in appropriate containers</li><li>• Ensure all hazardous substances brought to site are registered &amp; placed on the register</li></ul>	Project Manager/ Project Administrator
Lift Equipment/Forklift Failure	<ul style="list-style-type: none"><li>• Ensure operator is licenced &amp; competent</li><li>• Ensure equipment is certified, tagged and in good working order</li><li>• Check load is stable, evenly distributed and within capacity of equipment</li></ul>	Operator
Machinery Failure	<ul style="list-style-type: none"><li>• Ensure operator is licenced &amp; competent</li><li>• Ensure equipment is certified, tagged and in good working order</li><li>• Check task being undertaken within capacity of equipment</li></ul>	Operator
Machinery Refuelling	<ul style="list-style-type: none"><li>• Ensure 50L fire extinguishers &amp; spill-kits are within easy access nearby.</li><li>• Competent trained operators to carry out refuelling.</li></ul>	Supervisor
Machinery Roll-Over	<ul style="list-style-type: none"><li>• Check strength/stability of ground in working area before beginning work</li><li>• Keep working area free of rubble, rubbish, and debris</li><li>• Keep safe distance away from open trenches or ditches</li></ul>	Operator
Manual Heavy Lifting	<ul style="list-style-type: none"><li>• Use two-men-lift method</li><li>• Use forklift or other lifting equipment where possible</li></ul>	Everyone
Manual Lift & Twist	<ul style="list-style-type: none"><li>• Avoid twisting movements while lifting</li><li>• Avoid over-reaching.</li></ul>	Everyone
Failure of Security & Access Controls	<ul style="list-style-type: none"><li>• Ensure adequate signage, fencing and barriers are installed on site</li><li>• Have a spotter direct member of public where necessary</li></ul>	Supervisor

**7.3 Site Specific Hazards (Continued)**

Hazard	Controls	Person Responsible
Mobile Scaffold Failure	<ul style="list-style-type: none"><li>• Ensure mobile scaffold has been erected correctly by a competent person</li><li>• Utilise out-riggers if required</li><li>• Erect mobile scaffold as per instruction guidelines</li></ul>	Supervisor
Moving Plant/Vehicles	<ul style="list-style-type: none"><li>• Enforce exclusion zone around working plant</li><li>• Signal and make eye contact and with plant operator before approaching</li><li>• Use spotter where necessary</li></ul>	Operator
Noise causing Hearing Loss	<ul style="list-style-type: none"><li>• Use grade 5 ear muffs or plugs during noisy works.</li></ul>	Everyone
Other Contractors	<ul style="list-style-type: none"><li>• Ensure adequate signage, fencing and barriers are installed on site</li><li>• Have a spotter direct member of public where necessary</li><li>• Brief other trades of our activities during toolbox meetings</li></ul>	Supervisor
Rain/Slippery Surfaces	<ul style="list-style-type: none"><li>• Check weather conditions are suitable for works</li><li>• Stop works is weather changes and conditions become unsuitable</li></ul>	Supervisor
Services Strike	<ul style="list-style-type: none"><li>• Where services need to be retained, ensure adequate protection is in place</li><li>• Reassess demolition method</li><li>• If in doubt, walk away and seek advice from senior management</li></ul>	Supervisor
Sharp Debris	<ul style="list-style-type: none"><li>• Use appropriate personal protective equipment</li><li>• Avoid handling objects along sharp edges</li></ul>	Everyone
Skin Irritation or Damage	<ul style="list-style-type: none"><li>• Wear appropriate gloves for handling hazardous materials</li></ul>	Everyone
Truckload Unstable/Imbalanced	<ul style="list-style-type: none"><li>• Ensure material is evenly balanced over axels and within truck's load capacity</li><li>• Ensure load is adequately tied down, restrained, or covered</li></ul>	Truck Drivers
Unsafe Loads/ Potential Kick-Back from Loads	<ul style="list-style-type: none"><li>• Ensure load is below or flush with bin or truck.</li><li>• Securely fasten load with cover</li><li>• Visual check once cover is on for any debris that may become a projectile</li></ul>	Everyone
Vehicular Traffic	<ul style="list-style-type: none"><li>• Enter and exit sites from designated entry and exit points</li><li>• Trucks to operate with the flow of traffic</li><li>• Spotter in place where necessary</li></ul>	Truck Drivers

## **7. PERSONAL PROTECTIVE EQUIPMENT (PPE & RPE)**

### **9.1 Equipment**

In accordance with WorkSafe NZ's Approved Code of Practice: Management & Removal of Asbestos (November 2016), the following PPE, and RPE has been selected for the use of the workers conducting the removal works:

- Disposable Micro-Guard® 1500 Blue coveralls, Type 5, Category 3 (**EN ISO 13982-1**)
- Half-Face Respirator with a P3 Filter (**AS/NZS 1716:2012**)
- Full-Face Respirator with a P3 Filter (**AS/NZS 1716:2012**)
- Safety 'Wipeable' Footwear (**AS/NZS 2210.3:2009**)
- Gloves

HDL supply their workers with a few variant brands of respirators protective equipment. HDL supply the following masks & types:

- Shigematsu Particulate RS01 Half Face Mask.
- Shigematsu Particulate CF01 Full Face Mask.
- Shigematsu SYNC01 VP3 (Power Air Purifying Respirators) Full Face Mask Respirator.
- 3M™ Full Facepiece Reusable Respirator 6000/7800 Series Full Face Mask.

### **9.2 Non-Asbestos Removal Equipment**

The following non-asbestos removal will be used control non-asbestos related risk:

- Sunblock.
- Earmuffs or Ear Plugs.
- Anemometer.
- Fire Extinguishers.

### **9.3 Face-Fit Testing**

All workers to be face fitted to their removal specific RPE. If a worker has been fitted for a half mask and full mask, they must have two separate fit tests for each type of RPE. Fit Test Reports to be readily available on site for review. All workers to carry around 'Respirator Fit Test' cards for the types of respirator they have been fitted with. All workers have been fit tested using the Quantitative method at either Toro Safety or ARE's fit testing facility.

*Important Note:* All workers must be clean shaven so RPE is effective.

### **9.4 Training**

All workers have received appropriate training for the use, servicing, and cleaning of their PPE & RPE. All workers have received information about the health risks of licensed asbestos removal work and health monitoring requirements.

### **9.5 Best-Practice Coverall Use**

When wearing coveralls, all workers will:

- Wear one size too large to help prevent ripping at seams.
- Ensure coverall legs are worn over footwear because tucking them in lets dust inside footwear.
- Ensure arm and leg cuffs are sealed with tape.
- Ensure the fitted hood is worn over the respirator straps.

**8. REMOVAL METHOD – Asbestos Pipe Removal****8.1 Notes and Considerations**

To safely remove the asbestos pipe identified in this ARCP, the following considerations will be made:













- Clear warning signs will be displayed at all entrances to site, alerting other contractors, visitors, and any other persons to the hazard of asbestos dust.
- Stormwater & sediment controls to be in effect (catch pits protected with geotextile & sock bunds), main contractor or client to manage.
- Double line truck bins with 200-micron polythene with assistance of a mobile scaffold for height access.
- Install geotextile fabric to be used for loading out contaminated debris.
- Geotextile fabric to be checked for its integrity periodically. Nominated supervisor to assess daily.
- Excavator to excavate pipe from furthest point away from loading area.
- Excavator to remain outside and not to return inside a 'clean' scraped remediation area.
- Excavator to load all asbestos pipes onto polyethene lined truck bins.
- Operator to take care to limit the height of the bucket to avoid dropping pipes from a distance to avoid spillages and the creation of dust.
- When the truck bin is full, polythene flaps to be overlapped & sealed up with high strength industrial tape.
- Truck wheels, sides of bin & cab to be washed with a low pressured hose on top of the geotextile fabric prior to leaving the removal area.
- Each disposal docket will be submitted to main contractor/client to be photocopied as HDL require to keep original copies for their waste report to Auckland Council & payment claims.
- Post removal of asbestos pipes, engage an independent nominated assessor (SQN) for a visual clearance.
- Main contractor (Dempsey Wood) to engage a SQEP (Fraser Thomas) to provide post removal soil testing & soil validation report.



## 8.2 JOB SAFETY ANALYSIS – NON-FRIABLE PIPE REMOVAL

JSA DETAILS					
<b>Project Name:</b>		<b>Work Package:</b>		<b>Task:</b>	ACM Pipe Removal
<b>JSA Author:</b>		<b>JSA Number:</b>		<b>Date:</b>	
<b>Description:</b>	Mechanical Remediation of Asbestos Pipes				
<b>First Aid Kit:</b>		<b>Fire Extinguisher:</b>		<b>Spill Kit:</b>	
Henderson Demolition to provide at workplace		Henderson Demolition to provide at workplace		Henderson Demolition to provide at workplace	

PERSONNEL CONSULTED ON DEVELOPMENT OF JSA					
Name:	Position:	Name:	Position:	Name:	Position:

PPE REQUIRED TO UNDERTAKE TASK											
											
Hard Hat Hi-Vis Vest Steel-Toe	Eye Protection	Standard Gloves	Ear Muffs or Plugs	Coveralls	Dust Mask	Fall Protection	Face Shield	Respirator Gas Mask	Gas Detector	Rescue/ Recovery Equipment	Hot-Works PPE
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**DECLARATIONS & INDUCTIONS**

REVIEWED BY			
Name:	Position:	Signature:	Date:

APPROVED BY			
Name:	Position:	Signature:	Date:

WORKERS INDUCTED TO JSA			
Name:	Signature:	Name:	Signature:

## ADDITIONAL INDUCTIONS

WORKERS INDUCTED TO JSA			
Name:	Signature:	Name:	Signature:

## **RISK ASSESSMENT - ADJUSTMENTS & AMENDMENTS**

SEQUENCE OF STEPS		POTENTIAL HAZARDS & ASSOCIATED INITIAL RISK			CONTROL METHODS, LEVEL OF CONTROL & ASSOCIATED RESIDUAL RISK				PERSON RESPONSIBLE

### **ADJUSTMENTS APPROVED BY**

<b>Name:</b>	<b>Position:</b>	<b>Signature:</b>	<b>Date:</b>

## RISK ASSESSMENT

SEQUENCE OF STEPS		POTENTIAL HAZARDS & ASSOCIATED INITIAL RISK			CONTROL METHODS, LEVEL OF CONTROL & ASSOCIATED RESIDUAL RISK			PERSON RESPONSIBLE
1	Site Establishment: Delivery of Plant & Equipment Adhere to ARCP for Site Set-up & Procedures	1A	Moving Plant/Vehicles	High	<ul style="list-style-type: none"> <li>Enforce exclusion zone around working plant</li> <li>Signal and make eye contact and with plant operator before approaching</li> <li>Use spotter where necessary</li> </ul>	3&5	Low	Operator
		1B	Machinery Failure	High	<ul style="list-style-type: none"> <li>Ensure operator is licenced &amp; competent</li> <li>Ensure equipment is certified, tagged and in good working order</li> <li>Check task being undertaken within capacity of equipment</li> </ul>	4&5	Low	Operator
		1C	Vehicular Traffic	High	<ul style="list-style-type: none"> <li>Enter and exit sites from designated entry and exit points</li> <li>Trucks to operate with the flow of traffic</li> <li>Spotter in place where necessary</li> </ul>	5	Low	Truck Drivers
		1D	Failure of Security & Access Controls	High	<ul style="list-style-type: none"> <li>Ensure adequate signage, fencing and barriers are installed on site</li> <li>Have a spotter direct members of public where necessary</li> </ul>	5	Low	Supervisor
2	Lay Geotextile Fabric & Pin Down to Loading Areas: to also be used for washing the truck wheels prior to leaving site	2A	Manual Lift & Twist	High	<ul style="list-style-type: none"> <li>Avoid twisting movements while lifting</li> <li>Avoid over-reaching.</li> </ul>	5	Low	Everyone
3	Manually Lay Polythene into the Truck Bins: Use a Mobile Scaffold for Height Access	3A	Manual Lift & Twist	High	<ul style="list-style-type: none"> <li>Avoid twisting movements while lifting</li> <li>Avoid over-reaching.</li> </ul>	5	Low	Everyone
		3B	Falling Tape/ Polythene Rolls	High	<ul style="list-style-type: none"> <li>Place tape &amp; polythene inside truck bin</li> <li>Assign a spotter to monitor any falling tools &amp; police exclusion zone</li> <li>Hard hats to be worn when working nearby</li> </ul>	3&6	Low	Asbestos Removalists
		3C	Mobile Scaffold Failure	Medium	<ul style="list-style-type: none"> <li>Ensure mobile scaffold has been erected correctly by a competent person</li> <li>Utilise out-riggers if required</li> <li>Erect mobile scaffold as per instruction guidelines</li> </ul>	4&5	Low	Supervisor
4	Position Truck into Position On Top of Geotextile	4A	Moving Plant/Vehicles	High	<ul style="list-style-type: none"> <li>Enforce exclusion zone around working plant</li> <li>Signal and make eye contact and with plant operator before approaching</li> <li>Use spotter where necessary</li> </ul>	3&5	Low	Operator
5	Position Misting Cannon in close proximity to pipes (optional)	5A	Moving Plant/Vehicles	High	<ul style="list-style-type: none"> <li>Enforce exclusion zone around working plant</li> <li>Signal and make eye contact and with plant operator before approaching</li> <li>Use spotter where necessary</li> </ul>	3&5	Low	Operator
6	Mechanically Excavate Soil around Pipes to expose them	6A	Dust/Fibres (Eyes)	High	<ul style="list-style-type: none"> <li>Dampen down working area with hose</li> <li>Wear safety glasses during dusty work or work causing projectile debris</li> <li>Misting canon to be in operation to dispel dust</li> </ul>	5&6	Low	Everyone

		6B	Dust/Smoke (Lungs)	High	<ul style="list-style-type: none"> <li>• Use P3 dust masks during dusty operations</li> <li>• Dampen down working area with hose where necessary</li> <li>• Misting canon to be in operation to dispel dust</li> </ul>	5&6	Low	Everyone
		6C	Falling Debris	High	<ul style="list-style-type: none"> <li>• Enforce exclusion zone below area of work</li> <li>• Assign a spotter to monitor any falling debris &amp; police exclusion zone</li> <li>• Hard hats to be worn when working nearby</li> </ul>	3&6	Low	Supervisor
		6D	Asbestos Contamination	High	<ul style="list-style-type: none"> <li>• Asbestos soil to be sprayed with a bonding solution iberlock's ABC mixed with water</li> <li>• Removed asbestos products to be securely wrapped in 200um plastic and sealed</li> <li>• Asbestos products to be dispose of at an approved tipping station</li> </ul>	3	Low	Asbestos Removalists
		6E	Asbestos Inhalation	High	<ul style="list-style-type: none"> <li>• All personnel to wear full-cover one-use PPE &amp; P3 mask for asbestos works</li> <li>• WorkSafe NZ's Approved Code of Practice for Asbestos Removal to be followed</li> <li>• Asbestos removal to be undertaken by trained, qualified, competent removalists</li> </ul>	5&6	Medium	Asbestos Removalists
		6F	Asbestos Encapsulation Failure	High	<ul style="list-style-type: none"> <li>• Ensure encapsulation and seals are secure/able to withstand wind if necessary</li> <li>• Keep site clean/Avoid sharp edges and debris near plastic encapsulation</li> <li>• Seal off as many entry/exit points as possible. Consider emergency egresses</li> </ul>	3	Medium	Asbestos Removalists
		6G	Removing Asbestos	High	<ul style="list-style-type: none"> <li>• Workers to be clean-shaven so RPE is effective in protecting against small asbestos fibres</li> <li>• Protective coveralls to be worn during removal works (Type 5, Category 3).</li> <li>• Workers appropriately trained for removal: Non-friable and or friable training received.</li> <li>• Workers fit-tested for appropriate P3 filtered RPE.</li> <li>• Refer to sections of the ARCP for further controls.</li> </ul>	5 & 6	Medium	Asbestos Removalists
		7A	Manual Heavy Lifting	High	<ul style="list-style-type: none"> <li>• Use two-men-lift method</li> <li>• Use forklift or other lifting equipment where possible</li> </ul>	5	Low	Everyone
7	Mechanical Load-out of Asbestos Pipes	7B	Manual Lift & Twist	High	<ul style="list-style-type: none"> <li>• Avoid twisting movements while lifting</li> <li>• Avoid over-reaching.</li> </ul>	5	Low	Everyone
		7C	Asbestos Contamination	High	<ul style="list-style-type: none"> <li>• Asbestos soil to be sprayed with a bonding solution iberlock's ABC mixed with water</li> <li>• Removed asbestos products to be securely wrapped in 200um plastic and sealed</li> <li>• Asbestos products to be dispose of at an approved tipping station</li> </ul>	3	Low	Asbestos Removalists



		7D	Asbestos Inhalation	High	<ul style="list-style-type: none"> <li>All personnel to wear full-cover one-use PPE &amp; P3 mask for asbestos works</li> <li>WorkSafe NZ's Approved Code of Practice for Asbestos Removal to be followed</li> <li>Asbestos removal to be undertaken by trained, qualified, competent removalists</li> </ul>	5&6	Medium	Asbestos Removalists
		7E	Removing Asbestos	High	<ul style="list-style-type: none"> <li>Workers to be clean-shaven so RPE is effective in protecting against small asbestos fibres</li> <li>Protective coveralls to be worn during removal works (Type 5, Category 3).</li> <li>Workers appropriately trained for removal: Non-friable and or friable training received.</li> <li>Workers fit-tested for appropriate P3 filtered RPE.</li> <li>Refer to sections of the ARCP for further controls.</li> </ul>	5 & 6	Medium	Asbestos Removalists
8	Wrap & Seal Polythene Lined Trucks	8A	Manual Heavy Lifting	High	<ul style="list-style-type: none"> <li>Use two-men-lift method</li> <li>Use forklift or other lifting equipment where possible</li> </ul>	5	Low	Everyone
		8B	Manual Lift & Twist	High	<ul style="list-style-type: none"> <li>Avoid twisting movements while lifting</li> <li>Avoid over-reaching.</li> </ul>	5	Low	Everyone
		8C	Asbestos Contamination	High	<ul style="list-style-type: none"> <li>Asbestos soil to be sprayed with a bonding solution iberlock's ABC mixed with water</li> <li>Removed asbestos products to be securely wrapped in 200um plastic and sealed</li> <li>Asbestos products to be dispose of at an approved tipping station</li> </ul>	3	Low	Asbestos Removalists
		8D	Asbestos Inhalation	High	<ul style="list-style-type: none"> <li>All personnel to wear full-cover one-use PPE &amp; P3 mask for asbestos works</li> <li>WorkSafe NZ's Approved Code of Practice for Asbestos Removal to be followed</li> <li>Asbestos removal to be undertaken by trained, qualified, competent removalists</li> </ul>	5&6	Medium	Asbestos Removalists
		8E	Removing Asbestos	High	<ul style="list-style-type: none"> <li>Workers to be clean-shaven so RPE is effective in protecting against small asbestos fibres</li> <li>Protective coveralls to be worn during removal works (Type 5, Category 3).</li> <li>Workers appropriately trained for removal: Non-friable and or friable training received.</li> <li>Workers fit-tested for appropriate P3 filtered RPE.</li> <li>Refer to sections of the ARCP for further controls.</li> </ul>	5 & 6	Medium	Asbestos Removalists
9	Transport Asbestos Pipes as Special Waste, Waste to be Taken to an Appropriate Tipping Facility	9A	Moving Plant/Vehicles	High	<ul style="list-style-type: none"> <li>Enforce exclusion zone around working plant</li> <li>Signal and make eye contact and with plant operator before approaching</li> <li>Use spotter where necessary</li> </ul>	3&5	Low	Operator
		9B	Vehicular Traffic	High	<ul style="list-style-type: none"> <li>Enter and exit sites from designated entry and exit points</li> <li>Trucks to operate with the flow of traffic</li> <li>Spotter in place where necessary</li> </ul>	5	Low	Truck Drivers

10		9C	Truckload Unstable/Imbalanced	High	<ul style="list-style-type: none"> <li>• Ensure material is evenly balanced over axels and within truck's load capacity</li> <li>• Ensure load is adequately tied down, restrained or covered</li> </ul>	5	Low	Truck Drivers
		9D	Unsafe Loads/ Potential Kick-Back from Loads	High	<ul style="list-style-type: none"> <li>• Ensure load is below or flush with bin or truck.</li> <li>• Securely fasten load with cover</li> <li>• Visual check once cover is on for any debris that may become a projectile</li> </ul>	1,3 & 4	Low	Everyone
		9E	Asbestos Contamination During Transportation to Dispose	High	<ul style="list-style-type: none"> <li>• Ensure plastic bags or wrapping will stay secure during transit.</li> <li>• Asbestos products to be disposed of at an approved tipping station</li> <li>• Follow procedures as directed by tipping station staff</li> <li>• Dampen load prior to wrapping &amp; sealing load</li> </ul>	3&5	Medium	Asbestos Removalists
	Decontaminate Plant: Engage Assessor/SQEP to Achieve a Soil Validation Report	10A	Manual Heavy Lifting	High	<ul style="list-style-type: none"> <li>• Use two-men-lift method</li> <li>• Use forklift or other lifting equipment where possible</li> </ul>	5	Low	Everyone
		10B	Manual Lift & Twist	High	<ul style="list-style-type: none"> <li>• Avoid twisting movements while lifting</li> <li>• Avoid over-reaching.</li> </ul>	5	Low	Everyone
		10C	Asbestos Contamination	High	<ul style="list-style-type: none"> <li>• Asbestos soil to be sprayed with a bonding solution Fiberlock's ABC mixed with water</li> <li>• Removed asbestos products to be securely wrapped in 200um plastic and sealed</li> <li>• Asbestos products to be disposed of at an approved tipping station</li> </ul>	3	Low	Asbestos Removalists
		10D	Asbestos Inhalation	High	<ul style="list-style-type: none"> <li>• All personnel to wear full-cover one-use PPE &amp; P3 mask for asbestos works</li> <li>• WorkSafe NZ's Approved Code of Practice for Asbestos Removal to be followed</li> <li>• Asbestos removal to be undertaken by trained, qualified, competent removalists</li> </ul>	5&6	Medium	Asbestos Removalists

## 9. TOOLS & EQUIPMENT

### 11.1 Asbestos Removal Equipment

The following equipment has been selected, tested, and approved for use during the removal of ACM from this project:

- Dust suppression equipment, including a hand-held low-pressure water hose with nozzle.
- Industrial HEPA type vacuum cleaner with HEPA H13/14 filter (**AS 3544:1988**)
- Hand tools, including pry-bars and scrapers.
- Disposable TAK rags.
- 14-Tonne excavator.
- Biox SprayStream Dust Suppressant Cannon SS35iSS.
- 200 Micron Black Polythene
- Industrial Strength Tape.

### 11.2 Decontamination Unit

A 3-stage kit-set decontamination unit will be constructed in the decontamination area. See image below for example.



### 11.3 Facilities & Utilities

The following facilities and utilities are required to be available on site prior to works commencing:

- Water source for dilution of dust suppression.
- 240V power supply for HEPA type vacuums and other power-tools as needed.
- Access to toilet or Portaloo located in clean space outside of Asbestos Work Area

### 11.4 HEPA Type Vacuum Servicing

Henderson Demolition engages Toro Safety Ltd. to independently test and service HEPA vacuums:

Make:	Model:	Serial No.:	Last Test Date:	Next Test Date
Nilfish	VHS42	3520204904290	12.04.2022	12.10.2022
Nilfish	VHS42 L30-H	3.52021E+12	24.01.2022	24.01.2023
Nilfish	VHS42 L30-H	3.52021E+12	24.01.2022	24.01.2023

**10. DECONTAMINATION****12.1 Personnel Decontamination**

All workers in the asbestos removal area must ensure that they follow the decontamination procedures:

- Stage 1: Asbestos Work Area.
  - Keep respiratory equipment on.
  - Use a HEPA type vacuum cleaner to remove any obvious signs of asbestos dust from protective clothing; utilise the 'buddy technique' to HEPA type vacuum other removal workers.
  - Wipe down any residual dust on boots.
  - Proceed through the airlock into the dirty Decontamination Area.
- Stage 2: Dirty Decontamination Area.
  - Low-pressure spray pack & anti septic wipes to be located at this area.
  - Remove overalls and place in asbestos labelled polythene bag whilst wearing respirator.
  - Also remove & leave dirty boots in this area.
  - Proceed through the airlock into the clean decontamination area.
- Stage 3: Buffer.
  - Proceed through the airlock into the clean decontamination area.
- Stage 4: Clean Decontamination Area.
  - Remove respirator, clean with antiseptic wipes, and dispose of filters.
  - Leave respirator in personal polythene bag inside decontamination unit.
  - Put on clean, non-contaminated clothing.
  - Proceed through the airlock into the clean area of the worksite.

**12.2 Tool & Equipment Decontamination**

All equipment used for the removal of ACM will be wet-wiped clean of any asbestos debris.

A visual inspection of all tools shall be carried out by the nominated asbestos supervisor prior to their removal from the work site; any damaged equipment will be recorded and not used again until repaired by an appropriately qualified person.

Prior to any HEPA type vacuums used for asbestos removal being removed from site, they will be:

- Emptied of all waste in accordance with waste disposal procedures (see below).
- The body, hose, and any fittings wet-wiped clean of any debris or dust.
- Inspected for any damage or maintenance issues.
- Sealed in a storage container for future use.

HEPA type Vacuums are NOT TO BE USED for anything, but asbestos removal works.

**12.3 PPE & RPE Decontamination**

Disposable PPE will be removed and disposed of as ACM waste. RPE will be cleaned as part of the personnel decontamination process (see above). RPE will be inspected for its serviceability and replaced if warranted. Replaceable filter cartridges will be replaced in accordance with their manufacturers' specifications.

**12.4 Decontaminating Machinery & Vehicles**

To decontaminate machinery:

- make sure the machine is thoroughly washed down using water hose pressure when leaving the removal area
- make sure the cab, tracks or tyres, undercarriage, boom, and body are thoroughly doused with water to remove any asbestos dust on the machine and
- leave the machine in the decontamination unit.

Once the machine has been thoroughly washed and the decontamination unit has been washed down, another operator in clean PPE and RPE can enter the decontamination unit from the clean side to take the machine from the decontamination unit to the clean area.

The cab of the excavator will be HEPA type vacuumed for any potential asbestos fibres/dust. The bucket attachment will be wet wiped cleaned. The tracks will be cleaned with small hand tools to remove any foreign debris found lodged in the tracks & disposed as contaminated waste. All decontamination of the excavator to be done on top of a geotextile fabric laydown area near the removal area.

*Note:* All vehicles and machinery will be visually inspected by a licenced asbestos assessor prior to leaving the work area.

## **11. WASTE DISPOSAL**

### **13.1 ACM Disposal**

The following waste disposal measures will take place for all ACM from this project:

- The polythene-lined truck or skip bin will be parked as close as possible to the removal area.
- All ACM waste will be placed in double-wrapped 200µm plastic sheeting.
- The Nominated Asbestos Supervisor will ensure that all asbestos waste bags are fully sealed, and have no rips, tears, or holes.
- All asbestos bags will be given a light misting of water to contain any potential fibres.
- Asbestos will be transported, once inside the bin & wrapped, via the entry/exit site route marked on the Site Plan as red and blue arrows.
- All ACM waste will be removed from site as soon as reasonably practicable.
- All ACM waste will be stored and disposed of in accordance with all asbestos and environmental regulatory requirements.
- A record will be kept of the type and quantities of ACM removed from the site, in the form of disposal dockets from EnviroWaste.

### **13.2 Disposal of Asbestos-Contaminated Items & Materials**

The following items and materials will be disposed of as asbestos waste:

- Disposable PPE
- Temporary Structures (e.g., makeshift enclosures)
  - Temporary structures will be HEPA type vacuumed and wet-wiped before being sprayed with a particulate-binding agent.
  - The structures will then be collapsed and disposed of in accordance with ACM waste regulatory and environmental requirements.
- Asbestos waste bags will be sealed closed using a 'Goose Neck' method as specified in the *WorkSafe NZ's Approved Code of Practice: Management & Removal of Asbestos (November 2016)*.

## **12. AIR MONITORING & CLEARANCE**

### **14.1 Site-Based Assessments**

The following air monitoring and clearance assessments will be made by a licenced asbestos assessor:

Daily control air monitoring upwind, downwind, on site perimeters, all taking place both inside and outside the work area (perimeter fencing).

- Exposure air monitoring wherever an exposure assessment is required.
- Visual inspections of vehicles and machinery (including excavator) prior to removal from site, and prior to moving to an area outside of the asbestos work zone.
- Clearance inspections as required to enable reoccupation of the area / works to continue each phase.

### **Notes from Assessor:**

The risk of airborne fibre release has been minimised as far as reasonably practicable by works taking place inside the building to remove the asbestos before demolition works commence. Even though small areas may remain inaccessible prior to demolition works commencing, extensive encapsulations have taken place throughout all areas to reduce this risk even further. It is therefore very unlikely that the airborne contamination standard of 0.1f/ml TWA will be exceeded during the works, but strategic asbestos airborne fibre monitoring will take place to verify this assessment.

### **14.2 Laboratory Testing**

The determination of airborne asbestos fibre concentrations will be carried out by an IANZ accredited laboratory, following the standard nominated by that laboratory for which they hold current accreditation, and can produce a certificate stating such.

#### 14.3 Distribution of Reports & Certificates

The results of assessments and laboratory testing shall be distributed to the following people:

- Workers at the workplace.
- Representatives of workers at the workplace.
- All PCBU's at the workplace: main contractor and or client
- Other persons at the workplace.
- So far as it is reasonably practicable, other persons living or working in the vicinity of the workplace if it is likely that they may be affected by contamination.

#### 13. DECLARATION & SIGN-OFF

I declare the information contained in this Asbestos Removal Control Plan is accurate to the best of my knowledge.

Signed: \_\_\_\_\_



Date: 3 March 2023

#### Staff Acknowledgement

I hereby acknowledge that I have read or otherwise have been fully explained the risk of hazards and their controls on this site. I will abide by the controls and procedures set in this ARCP and report incidents immediately. All new hazards identified will be added to the register and conveyed to all site personnel.

##### Acknowledgement Content:

- Risks/Hazards & how to control them
- PPE and RPE required for this site
- Emergency & Evacuation Plan
- Location of first aid kit: **Site Box or Company Vehicle**
- Nearest hospital is: Refer to SSSP for details
- Assembly point is: Refer to SSSP for details

Date	Name	Company	Signature



**APPENDIX A – COMPLETION REPORT FORM****TIMING OF REMOVAL WORK**

Start Date:

\_\_\_\_/\_\_\_\_/\_\_\_\_

Completion Date:

\_\_\_\_/\_\_\_\_/\_\_\_\_

WorkSafe Notification Date:

\_\_\_\_/\_\_\_\_/\_\_\_\_

**DISPOSAL OF WASTE**

Asbestos Waste was disposed of at (circle one):

EnviroWaste  
Hampton DownsWaste Management  
Red Vale

Date:	Asbestos Waste Type:	Truck/Bin Size:

**CLEARANCE INSPECTION**

The asbestos removal area has passed a clearance inspection:

YES

☐

NO

☐**DECLARATION & SIGN-OFF**

I declare the information contained in this Completion Report Form is accurate to the best of my knowledge.

Signed: \_\_\_\_\_

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

## APPENDIX B – CLASS-B ASBESTOS REMOVAL LICENCE



THIS IS TO CERTIFY THAT

*Henderson Demolition Limited*

HAS BEEN APPROVED UNDER THE HEALTH AND SAFETY AT WORK  
(ASBESTOS) REGULATIONS 2016 FOR A

*Class B Asbestos Removal Licence*

The removal of the following at a workplace:

- > More than 10 m<sup>2</sup> (cumulatively over the course of the removal project for the site) of non-friable asbestos or asbestos contaminated material
- > Asbestos contaminated dust associated with the removal of more than 10 m<sup>2</sup> (cumulatively over the course of the removal project for the site) of non-friable asbestos or asbestos contaminated material

LICENCE NUMBER: RB19060016

DATE OF ISSUE: 7/06/2019

DATE OF EXPIRY: 7/06/2024

Richard Steel, Team Leader  
Certifications, Approvals and  
Registrations



## APPENDIX D – ONSITE ALTERATIONS/AMENDMENTS TO REMOVAL METHOD

A blank sheet of white paper with horizontal ruling lines.



***Appendix B***  
***Asbestos Removal Control Plan (ARCP) -***  
***2024 ACM Pipe Removal Works***



**Morecrocft**  
Hazardous Materials Management

# ASBESTOS REMOVAL CONTROL PLAN

## J3356 – ARCP - V1.1

**80 Papakura-Clevedon Road, Clevedon  
(Site Boundary)**



Prepared by: <b>Jason Catterall</b>	Date: <b>5/04/2024</b>
Asbestos Licence Holder: <b>Morecrocft Contractors Ltd</b>	Licence No: <b>RB16100163</b>
For ACM Removal at (address): <b>80 Papakura-Clevedon, Clevedon, Auckland</b>	
On behalf of PCBU who commissioned asbestos removal (client): <b>Dempsey Wood – Krishniel Prasad</b>	

☐ Friable

☒ Non-Friable

☐ Class A

☒ Class B

## IDENTIFICATION

Have asbestos records been reviewed:

☐ Yes

☒ No

Asbestos Containing Material:

- |  |  |   |
|--|--|---|
| <input checked="" type="checkbox"/> Fibre cement pipework (Runway) | <input type="checkbox"/> Dust & Debris | <input type="checkbox"/> Lagging            |
| <input checked="" type="checkbox"/> Soil                           | <input type="checkbox"/> Textile       | <input type="checkbox"/> Sprayed Insulation |
| <input type="checkbox"/> Corrugated Asbestos Cement roof           | <input type="checkbox"/> Millboard     | <input type="checkbox"/> Other              |

### Scope:

Morecroft has been contracted by Dempsey Wood to remove & dispose of the existing fibre cement pipework & concrete of approx 25Lm (300mm Diameter) = Approx 23.5m<sup>2</sup>, all asbestos works will be carried out "B" class non-friable conditions. Sufficient signage & barrier tiger-tails will be placed around our localized working areas, all decontamination procedures will be correctly followed while within our localized working areas during removal works. All asbestos waste will be correctly double wrapped or bagged in 200µm polythene, sealed with PVC/cloth tape & placed in an allocated waste disposal area. All works will be cleared by an independent assessor. Once all working areas have been cleared, Morecroft will then hand the site back to Dempsey Wood

### Estimated quantity/volume of ACM to be cleaned/removed is approx:

- Removal & disposal of the existing fibre cement pipework of approx 25Lm (300 Diameter) = Approx 23.5m<sup>2</sup> located above the ground level.
- Removal & disposal of the existing soil located directly around the fibre cement pipework. Approx 4 Cubic Meters

### Condition of ACM to be removed:

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Dust & debris       | <input type="checkbox"/> Painted              | <input checked="" type="checkbox"/> Unsealed in certain area |
| <input type="checkbox"/> Significant         | <input checked="" type="checkbox"/> Weathered | <input type="checkbox"/> Minor Damage/ Breakages             |
| <input type="checkbox"/> Extensive Breakages | <input type="checkbox"/> Fire Damaged         | <input type="checkbox"/> Weathered                           |

**Additional Details:** The existing fibre cement pipework appears to be in a fair/ OK condition, however, as part of on-site refurbishment work, this is required to be removed & disposed of.

### Location of Asbestos Containing Material:

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Indoors           | <input type="checkbox"/> Outdoors but protected  | <input checked="" type="checkbox"/> Outdoors and exposed to weather |
| <input type="checkbox"/> Enclosed in ducts | <input type="checkbox"/> Belowground in trenches | <input type="checkbox"/> Other                                      |

**Additional Details:** The asbestos fibre cement pipework is located above ground level

## PREPARATION CONSULTATION

Will be undertaken with the following persons at any business and workplace where ACM removal takes place:

- |  |   |   |
|--|---|---|
| <input checked="" type="checkbox"/> The Client | <input checked="" type="checkbox"/> Residents & Occupants | <input checked="" type="checkbox"/> Contractors on site |
| <input type="checkbox"/> The Principal         | <input type="checkbox"/> An employee HSR                  | <input type="checkbox"/> Residents/occupants            |

## NOTIFICATION

Will be undertaken with the following neighbouring property owners, including domestic properties prior to any ACM removal.

Property addresses:

<b>62 Papakura-Clevedon,</b>
<b>Clevedon</b>

## INFORMING PARTIES AND PEOPLE:

The following people or parties will be informed about the upcoming asbestos removal and intended start date (keep consultation records):

ENTITY:	NAME AND POSITION:	ORGANISATION:	ADDRESS:	PHONE /EMAIL:
Key Stakeholder	Krishniel Prasad – Project Engineer	Dempsey Wood	15 Rakino Way, Mount Wellington, Auckland, 1060	Mob: 021 220 3868 Email: <a href="mailto:Krishniel.prasad@dempseywood.co.nz">Krishniel.prasad@dempseywood.co.nz</a>
PCBU	Krishniel Prasad – Project Engineer	Dempsey Wood	15 Rakino Way, Mount Wellington, Auckland, 1060	Mob: 021 220 3868 Email: <a href="mailto:Krishniel.prasad@dempseywood.co.nz">Krishniel.prasad@dempseywood.co.nz</a>
Independent Licensed Asbestos Assessor	Ben Alford	AEREM	1B/ 163 Stoddard Road, Mount Roskill, Auckland	Mob: 022 570 4490 Email: <a href="mailto:ben@aerem.co.nz">ben@aerem.co.nz</a>
SQEP	Sean Finnigan/ Elliot Bish	Fraser Thomas Limited	21 El Kobar Dr, Highbrook	Mob: 0212254572 Email: <a href="mailto:ebish@ftl.co.nz">ebish@ftl.co.nz</a>



**CONTROL SUPERVISION**

Person supervising asbestos removal is/are: <b>Thomas Romana</b>	Mobile: <b>021 201 8479</b>
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**WORKERS**

List the workers who will be working at the site, and in the case of multiple supervisors, who they will be supervised by (attach extra pages if necessary):

<b>Workers Name:</b>	<b>Training Completed</b>	<b>Supervisor</b>
Braeden Fotuhetule	Yes, Class A&B Skilled Asbestos Training	<b>Thomas Romana</b>

**TIMING OF REMOVAL WORK**

Planned start date: <b>8/04/2024</b>
Intended completion date: <b>9/04/2024</b>
Date of Worksafe notification: <b>26/03/2024</b>
Amendments attached at the bottom of the ARCP

## EMERGENCY PLANNING

The setup of Emergency Management on site is detailed in the Emergency Response Guide and the Emergency Evacuation Plan.

## EMERGENCY RESPONSE GUIDE

### EMERGENCY EVACUATION PLAN

**In the event of an emergency all Morecroft employees are obliged to:**

- Exit the work area/enclosure by the safest exit point.
- Make their way to the assembly point as instructed on the site induction or agreed locations prior to works commencement and wait for further communications from the site supervisor or any other person designated with that responsibility. **(DEMPSEY WOOD Assembly point as per site map)**
  - **Note:** Workers will muster in an area as far away as is reasonably practicable from other trades (preferably downwind) and this will also be defined before works commence.

#### NEAREST MEDICAL CENTRE

**Middlemore Hospital**

**100 Hospital Road, Middlemore Hospital**

**PH: 09-276 0044**

First Aid Kit is located at the site entrance: **At work entrance/ Morecroft VAN**

#### Morecroft Site Contact

**Site Contact: Thomas Romana – 021 201 8479**

#### EMERGENCY TELEPHONE NUMBERS

**Internal Emergency Contact Details:**

Regional Manager: Keith Rowden 0212469563

Senior Project Manager: Neil Reeves 0212812562

Director: Jason Catterall 021 194 1777 (Media Spokesperson)

Chief Executive Officer: Dirk Catterall 027 492 4135

HSE: Jared Ambrose – 021 0544 169

Emergency Contact details are maintained on site:

☒ Yes☐ No

Emergency Response Equipment held on site:

☒ Fire extinguishers☐ Spill kits☒ First aid kits**Hazard Identification and Risk Management**

The following safety issues have been identified during the planning for ACM removal:

☒ Poor Housekeeping☒ Manual Handling☐ Confined space☒ Slips, Trips & Falls☐ Services☒ Hazardous substances☒ Noise☐ Working at heights☐ Tools and equipment

The following have been identified as potential emergency situations (attach further details if needed):

Hazard Description	Suggested Controls	Implemented Controls	Responsible Persons
Slips, Trips & Falls	<ul style="list-style-type: none"> <li>Housekeeping.</li> <li>Barriers and signage</li> <li>Restricted access</li> <li>Clear/safe access to work areas - egress from work areas.</li> <li>Water controlled</li> <li>PPE/ RPE</li> </ul>	<ul style="list-style-type: none"> <li>Correct PPE &amp; RPE to be worn</li> <li>Good Housekeeping at all times</li> <li>Barriers and signage to restrict access.</li> <li>Clear/safe access &amp; Egress Routes to and from the work area.</li> <li>Control &amp; clean up water spillages</li> </ul>	<ul style="list-style-type: none"> <li>Supervisor &amp; Operatives on the project</li> </ul>
Manual Handling	<ul style="list-style-type: none"> <li>Mechanical aids</li> <li>Team lift techniques.</li> <li>Risk assessments</li> <li>Using correct lifting techniques</li> <li>PPE/ RPE</li> </ul>	<ul style="list-style-type: none"> <li>Correct PPE &amp; RPE to be worn</li> <li>Use mechanical aids were possible.</li> <li>Team lifting will be required for heavier loads.</li> <li>Carry out a risk assessment.</li> <li>Use the correct lifting techniques</li> </ul>	<ul style="list-style-type: none"> <li>Supervisor &amp; Operatives on the project</li> </ul>
Hazardous Materials	<ul style="list-style-type: none"> <li>Barriers and signage</li> <li>Decontamination procedures</li> <li>Training and supervision</li> <li>Inspections and audits &amp; Clearance</li> <li>PPE/ RPE</li> </ul>	<ul style="list-style-type: none"> <li>Correct PPE &amp; RPE to be worn</li> <li>Good Housekeeping at all times</li> <li>Set up clear decontamination facilities.</li> <li>Trained, competent &amp; certified Asbestos teams will carry out the works</li> <li>Inspections and Audits will be carried out by an Independent Asbestos assessor</li> </ul>	<ul style="list-style-type: none"> <li>Supervisor &amp; Operatives on the project</li> </ul>
Traffic	<ul style="list-style-type: none"> <li>Speeding</li> <li>Pedestrians</li> <li>Vehicle accidents</li> </ul>	<ul style="list-style-type: none"> <li>Correct PPE &amp; RPE to be worn</li> </ul>	<ul style="list-style-type: none"> <li>Supervisor &amp; Operatives on the project</li> </ul>










	<ul style="list-style-type: none"> <li>• Unauthorized use of vehicles</li> <li>• PPE/ RPE</li> </ul>	<ul style="list-style-type: none"> <li>• Always follow the detailed speed limit on site.</li> <li>• Be aware of all pedestrians and crossings.</li> <li>• Report all vehicle accidents.</li> <li>• Do not use any vehicle unless authorised to do so</li> </ul>	
	•	•	•

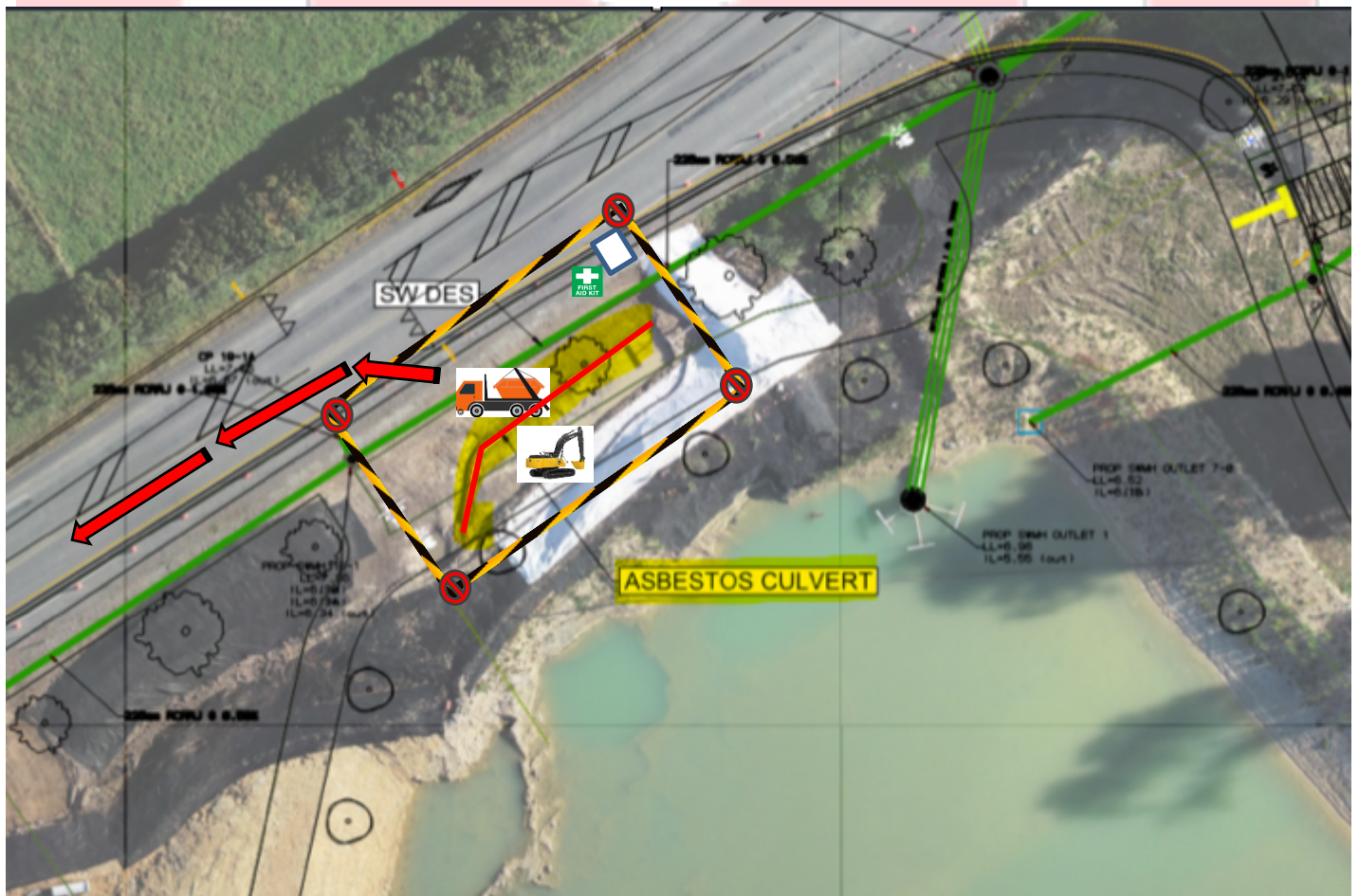
Emergency	Controls to Manage the Emergency
Discovery of Possible ACM (asbestos) not Surveyed or on Asbestos Register	<p>In the event that previously undiscovered asbestos is found, or materials which may contain asbestos which have not been noted on the asbestos register or previously sampled and tested, the following actions are to take place:</p> <p><b>**REFER TO SITE REMEDIAL ACTION PLAN – CONTACT SQEP PRIOR TO TAKING FURTHER STEPS**</b></p>
Breach of an Asbestos Waste Bag or Parcel	<p>All waste within asbestos identified waste bags will always be sufficiently wetted before removal. A suitable wetting agent or solution will be applied to all materials upon removal, therefore, if any waste bags are breached outside an enclosure or working area the risk to other workers or members of the public will be minimal, due to the materials within the bag being saturated or coated in the relevant solution.</p> <p>Where such a breach as identified above occurs on site then Morecrocft Contractors Limited employees will be instructed to restrict access to the immediate areas and initiate a suitable clean up method i.e. put on the relevant RPE and PPE, wet any debris within the affected area, once sufficiently wet the materials will be placed inside another waste bag and the general bagging and disposal arrangements will be carried out.</p> <p>Morecrocft Contractors Ltd will immediately notify the relevant client representative and the asbestos assessor of the breach of the waste bag or parcel. The assessor will determine the extent of contamination and clean up required.</p>



Define the area or draw a site map indicating the areas.

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> The asbestos removal area                                 | <input checked="" type="checkbox"/> Waste storage                                    |
| <input checked="" type="checkbox"/> Entrances and exits                                       | <input checked="" type="checkbox"/> Decontamination area(s)                          |
| <input checked="" type="checkbox"/> Monitoring points   | <input checked="" type="checkbox"/> Emergency equipment                              |
| <input checked="" type="checkbox"/> Signage   | <input checked="" type="checkbox"/> Barriers or means to prevent unauthorised access |
| <input checked="" type="checkbox"/> Asbestos work site (including where enclosure is located) | <input checked="" type="checkbox"/> Other information as needed                      |

	Asbestos Location	 	Barriers & Signage		Transit & Waste Route
	Stage 2- DCU Decontamination Facility as per site map		H-Type Vacuum		Excavator
	Waste truck		First Aid Kit		





**SITE PHOTOS:**



## PERSONAL PROTECTIVE EQUIPMENT

The following PPE is required and will be supplied and worn at all times throughout the ACM removal process:

- |   |  |  |
|---|--|--|
| <input checked="" type="checkbox"/> Steel Capped Safety Boots | <input type="checkbox"/> Hi-Vis Vest                     | <input checked="" type="checkbox"/> Coveralls (Supplied) |
| <input checked="" type="checkbox"/> Boot Covers               | <input checked="" type="checkbox"/> Half Face Respirator | <input type="checkbox"/> Safety Glasses                  |
| <input checked="" type="checkbox"/> Disposable Safety Gloves  | <input type="checkbox"/> Hard Hat                        | <input type="checkbox"/> Other                           |

Emergency Contact details are maintained on site:

☒ Yes ☐ No

Workers have received appropriate training for PPE and RPE use?

☒ Yes ☐ No

Workers have received information about the Health risks of licenced asbestos removal work and health monitoring requirements?

☒ Yes ☐ No

## PERSONAL PROTECTIVE EQUIPMENT

RPE/PPE TO BE USED	
Equipment to be used when waste movements are carried out	Equipment to be used when carrying out Asbestos removal works
Protective Clothing: Disposable Coveralls CAT3 -Type 5/6	Protective Clothing: Disposable Coveralls CAT3 -Type 5/6
Disposable Gloves	Disposable Gloves
Respirator Quantitative Face Fitted: Half Face Particulate Filter Cartridge Particulate Respirator Operatives must be clean shaven for the RPE to be effective.	Respirator Quantitative Face Fitted: Half Face Particulate Filter Cartridge Particulate Respirator Operatives must be clean shaven for the RPE to be effective.
Safety Footwear/ Gumboots to be worn for soil excavation works	Safety Footwear/ Gumboots to be worn for soil excavation works



## REMOVAL METHOD

Compliant with the Health and Safety at Work (Asbestos) Regulations 2016 and with WorkSafe's Approved Code of Practice: Management and Removal of Asbestos.

### Scope of works:

- Removal & disposal of the existing fibre cement pipework of approx 25Lm (300 Diameter) = Approx 23.5m<sup>2</sup> located above the ground level.
- Removal & disposal of the existing soil located directly around the fibre cement pipework – Approximately 4 cubic meters.

### Methodology:

- Prior to Morecroft entering & exiting the Dempsey Wood works site, a Dempsey Wood representative will supervise Morecroft entering & exiting the worksite due to it being near the roadside
- All movement on-site outside of Morecroft's localized work area will be communicated under Dempsey Wood's Supervision
- Any Contractors on-site/ trades that are required to enter Morecroft's working area are required to read & understand the ARCP, and the purpose of the asbestos removal works, wear all correct PPE/ RPE and must be under the supervision of the Morecroft Supervisor. The Dempsey Wood digger operator is required to produce a valid face-fit test & proof of their "Asbestos-awareness training". Morecroft will assist the digger operator to correctly decontaminate when exiting the localized work areas.
- Travel to the site.
- Create an ARCP (Asbestos removal control plan) and Notify WorkSafe NZ
- Sufficient signage & barrier tiger-tails will be set up within our localized work areas isolating our work area.
- All live-identified services such as electrical, water, gas, data, etc are required to be capped/ isolated prior to any removal works being carried out (by others).
- All asbestos works will be carried out as "B" class conditions.
- All PPE & RPE will be correctly worn while within our localized work areas carrying our asbestos works. Morecroft will only supply Asbestos PPE to Dempsey Wood prior to asbestos works starting.
- Morecroft will use gumboots during the soil works, the boots will be rinsed off and wet wiped down as these will be easier to decontaminate.
- Sheet out localized work areas & double line the existing Dempsey Wood waste trucks as required with the use of 200µm polythene & seal any edges etc with PVC/ Cloth Tape.
- Set up stage-1 (DCU) Decontamination/ waste facility at the exit of the localized working areas with the use of 200µm polythene & PVC/ Cloth Tape. When the Supervisor or Operative is required to leave the working area, they will correctly decontaminate by mist spraying down themselves, then removing boot covers, gloves, coveralls etc and placing this into a 200µm asbestos waste bag, sealing with PVC/ Cloth Tape, and placing into an allocated waste disposal area.
- Morecroft will have their First Aid Kit near the decontamination area.
- Dust suppression controls will be in place during removal works (Soft pressure hoses to be supplied to Morecroft by the client)
- Dempsey Wood will provide the required waste trucks for both the wrapped AC Pipework & soil disposal.
- Dempsey Wood will supply the excavator and carry out all required asbestos excavation works under Morecrofts Supervision. Dempsey Wood will excavate the soil around the existing AC pipework leaving the soil directly located around the pipework. Once the desired depth has been reached around the pipework, then the "asbestos works" will start.
- Morecroft/ and or Dempsey Wood will have a spotter in place during all excavation works.
- The soil that is directly located around the pipework will be removed and then disposed of as asbestos waste.
- The DEMPSEY WOOD digger operator will mechanically load the asbestos-contaminated soil into the double-lined trucks on-site. The excavator bucket will be lowered into the truck to minimise dust



- Removal of soil directly located around the AC pipework, this will be removed with the use of hand-shovels as far as reasonably practicable.
- Morecroft will look to split the pipework into their respectable lengths. Should the AC pipework prove difficult to release at the collars, then Morecroft will sheet out a localized area below the pipework, Morecroft will then carefully break the pipe as required to lift it off the ground and then place into our waste truck (Mist spray bottles will be used during the pipe break to minimize the further release of any potential asbestos fibres.). Any debris created during the controlled break will fall onto the 200µm polythene below, this will then be wrap, lifted out of the trench, and placed into the waste truck.
- Morecroft can then stop the pipework for Dempsey Wood to lift out of the trench.
- The Dempsey Wood digger operator will then mechanically lift the pipework out of the trench and carefully place it into a double-lined waste truck.
- Removal & disposal of the existing fibre cement pipework of approx 25Lm (300 Diameter) = Approx 23.5m<sup>2</sup> located above the ground level.
- Removal & disposal of the existing soil located directly around the fibre cement pipework as far as reasonably practicable.
- Morecroft will encapsulate the ends of the pipework where the pipework was split with a suitable type of encapsulation paint.
- All Dempsey Wood & Morecroft ground staff are required to decontaminate via the stage 1 decontamination area correctly & safely. All Disposable PPE, RPE, Gloves, and boot covers will be correctly double-wrapped or bagged in 200µm polythene, sealed with PVC/ Cloth Tape, and placed in an allocated waste disposal area.
- Morecroft will have an operative in place double lining the waste trucks with 200µm asbestos polythene & seal the edges with PVC/ Cloth Tape.
- All asbestos waste created on-site will be correctly placed in the allocated waste trucks that are supplied by Dempsey Wood.
- The pipework is required to be disposed of as ACM-wrapped and the soil is to be disposed of as "Asbestos-Contaminated soil". Morecroft will apply for the required waste permit for soil disposal.
- Once the AC Pipework and associated soil has been placed into the double lined waste truck, Morecroft will seal over each waste truck with the use of 200µm asbestos polythene and seal off the edges with PVC/ Cloth Tape.
- Clean & decontaminate tools & equipment used on-site, including the digger bucket on the excavator.
- Independent clearance inspection (by others).
- Disposal of the asbestos waste at an approved licensed waste facility.
- Hand over the site to the client upon completion of pick-up works.

**VISUAL CLEARANCES**

Following licensed asbestos removal work a visual clearance inspection must be conducted and a clearance certificate issued prior to re-occupancy by unprotected workers. Where the removal work involved friable asbestos that inspection must be undertaken by a Licensed Asbestos Assessor. Where the removal work involved non-friable asbestos that inspection can be undertaken by either a licensed assessor or an independent competent person (see definitions of “independent” and “competent person” at Regulation 5 of the WH&S Regulations).

The following person will be engaged to undertake the visual clearance inspection on completion of the removal work:

Name: <b>Ben Alford</b>	Assessor Licence No: <b>AA17060089</b> Exp Date: <b>25/07/2027</b>	Mobile: <b>022 570 4490</b>
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**AIR MONITORING PROGRAM**

If no air monitoring required please provide reasons below

Supplied by <b>AEREM</b>
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The following air monitoring may be conducted

Control monitoring during removal	Number & frequency of testing	Supplied by <b>AEREM</b>
-----------------------------------	-------------------------------	--------------------------

**MANAGEMENT AND DISPOSAL OF ASBESTOS WASTE**

Removed ACM will be held on site for more than one working day?

☐ Yes☒ No

If yes, detail who the person responsible for safe asbestos waste storage on site and how the ACM will be stored including the type of storage containers to be used and the dedicated location for stored ACM within the removal area

The Supervisor on-site is responsible for ensuring the asbestos waste has been correctly double wrapped or bagged in 200µm polythene, labelled, sealed with PVC/cloth tape and placed in the waste trucks. The waste will then be transported off-site and disposed of at an approved licensed waste facility

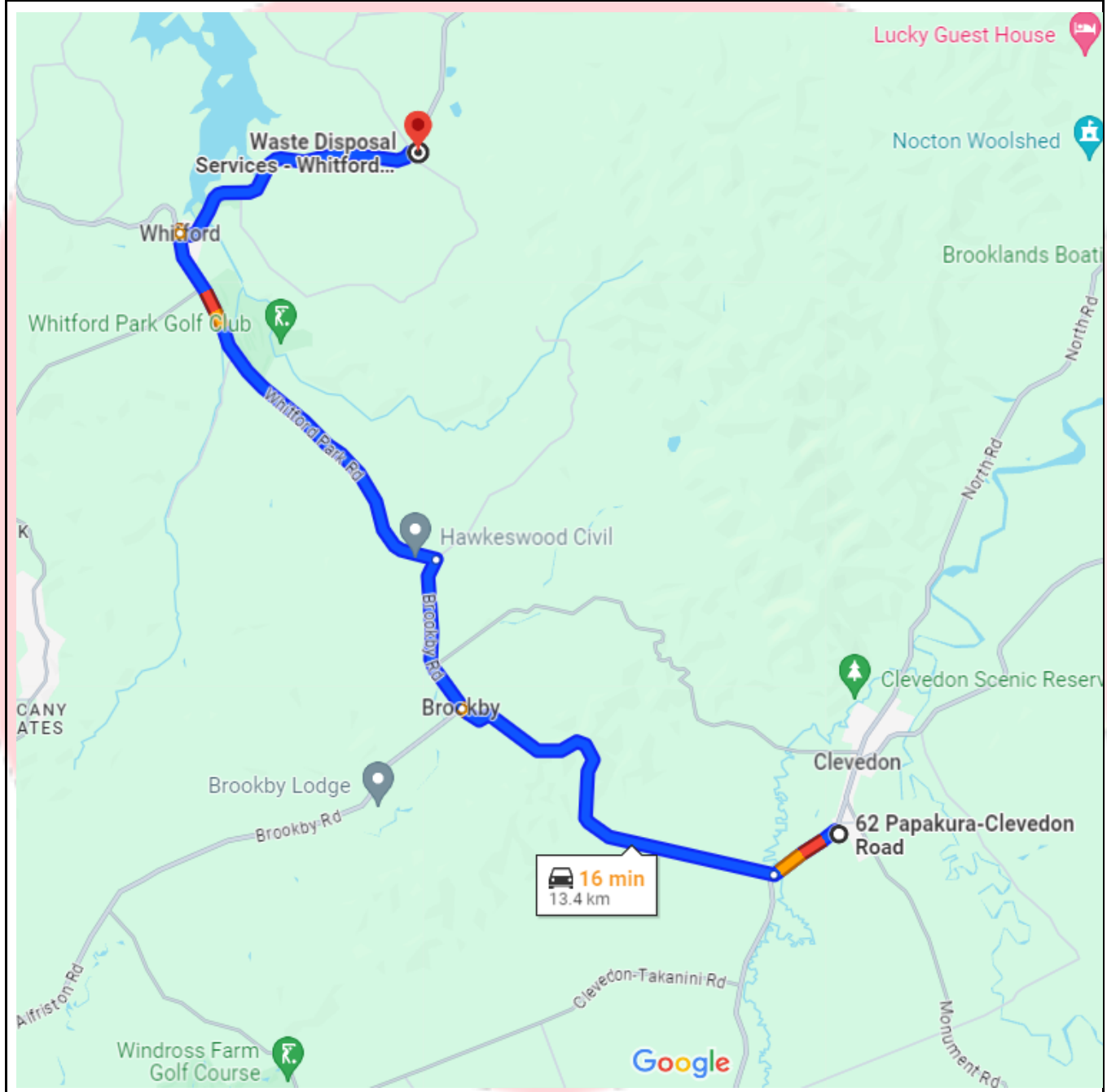
Asbestos waste will be stored in a labelled, sealed waste trucks before removing it from site?

☒ Yes☐ No

Used, disposable PPE and RPE will be stored in a labelled, sealed waste bags before removing it from the site?. Gumboots will be worn for excavation works as these are easier to decontaminate.

☒ Yes☐ No

<b>Waste Disposal Location:</b>	Waste Disposal Services – Whitford Transfer Station
<b>Waste Disposal Address:</b>	301, Whitford Maraetai Road opposite Clifton Road junction, Whitford 2571
<b>Waste Disposal Contact Details:</b>	09 530 8774



## TOOLS & EQUIPMENT

Warning: high speed abrasive power or pneumatic tools such as angle grinders, sanders, saws and high speed drills must never be used when removing ACM. The following tools and equipment will be used during the removal of ACM:

### Hand Tools (If required) (detail)

Chisels  
 Screw drivers [various]  
 Crow bars [small]  
 Scrapers  
 Craft Knife (Setting up localized working areas)  
 Handsaws

### Powered equipment (detail)

"H" type vacuums will be used on-site and 240v power will be supplied to Morecroft by NZDF.

### Decontamination equipment (detail)

Handheld spray mist bottles for decontamination.

### Vehicles supplied by Dempsey Wood (detail)

- Excavator on-site, to be operated by Dempsey Wood
- Waste Trucks, Supplied & driven by Dempsey Wood

### Vacuuming equipment:

All vacuuming equipment used in asbestos removal must be constructed according to the referenced appliance standard and be rated to filter Dusts of Class H (high hazard) "capable of filtering carcinogenic dusts". Electrical appliance standard AS/NZS 60335.2.69: Annex AA states: Class H vacuums shall be subjected to an annual technical inspection by the manufacturer or an instructed person, the annual inspection is to include a filtration efficiency test as detailed in figure AA.6. DOP Testing is carried out every 6 Months.

### Vacuum Cleaner Details to be completed on site during the pre-start & toolbox meeting

Make: Nilfisk	Model:	Last Test Date:
Make: Nilfisk	Model:	Last Test Date:
Make:	Model:	Last Test Date:



## DECONTAMINATION FACILITIES

### Decontamination Procedures

**All workers in the Asbestos Removal Area must ensure that they follow the decontamination procedures:**

- Use a handheld water spray bottle with a mixture of water and (to act as a surfactant) to contain any asbestos dust on the protective clothing or RPE;
- Wet wipe boots clean of any possible asbestos fibres;
- Remove Disposable Cat3, type 5-6 Coveralls, turning it inside out as it is removed, place suit directly into an ACM waste bag;
- Remove gloves and place them directly into an ACM waste bag;
- Remove RPE mask and place into storage container.
- Double wrap or bag the asbestos waste with 200µm, seal with PVC/Cloth tape in accordance with Morecroft Asbestos Waste Procedures.

### EQUIPMENT , TOOLS & PLANT

The following decontamination methods will be applied to the tools, equipment and plant:

#### Equipment/Tool Decontamination Procedures

- Use an H'type asbestos vacuum cleaner to remove any obvious signs of asbestos dust from the tools;
- Wet wipe down the tools as far as reasonably practicable.
- Equipment that cannot be decontaminated will be disposed of in double bagged asbestos waste bags.
- Decontaminate the excavator bucket, Morecroft will place a drop sheet below the digger bucket, brush the soil away and clean down as far as reasonably practicable prior to the excavator leaving the work area.

### OTHER CONTROL MEASURES:

The following additional controls will be enacted to ensure asbestos containment within the designated asbestos work area:

- High Risk Work Zones will be established external to the localized working area to restrict access into the work area.
- Control monitoring controls will be in place and coordinated by AEREM and assessed during the project.

## DECLARATION AND SIGN-OFF

I declare the information contained in Part A of this plan is accurate to the best of my knowledge

Signed by: *K Rowden*

Date: **5/04/2024**

Upon completion of this section, provide a copy of the plan and related documents to:

PCBU who commissioned the removal:

☒ Yes

☐ No

Other: Assessor

☒ Yes

☐ No

The plan should be made available to the PCBU with management or control of the workplace, workers and their representatives, and home occupants (as applicable).





## CERTIFICATE OF INSURANCE

### LLOYD'S CERTIFICATE OF INSURANCE

effected through

Delta Insurance New Zealand Limited

Level 2, 204 Quay Street, Auckland, 1010. PO Box 106 276, Auckland 1143.

E-mail: [underwriting@deltainsurance.co.nz](mailto:underwriting@deltainsurance.co.nz)

(hereinafter called the Coverholder)

THIS IS TO CERTIFY that in accordance with the authorisation granted under Contract UMR B60822023DELPL01, B6083172300386, Dacred to the undersigned by certain Underwriters at Lloyd's, whose definitive numbers and the proportions underwritten by them, which will be supplied on application, can be ascertained by reference to the said Contract, and in consideration of the premium agreed, the said Underwriters are hereby bound, severally and not jointly, each for his own part and not one for another, their Executors and Administrators, to insure in accordance with the terms and conditions contained herein or endorsed hereon.

**NAMED INSURED:** Morecrocft Contractors Ltd

<b>POLICY NUMBER / WORDING:</b>	D12848/2024/ODO/1	Delta Optima 10-17
	D12848/2024/OCO/1	Delta Optima 10-17
	D12848/2024/OGL/1	Delta Optima 10-17
	D12848/2024/OEL/1	Delta Optima 10-17
	D12848/2024/OSL/1	Delta Optima 10-17
	D12848/2024/OCR/1	Delta Optima 10-17
	D12848/2024/LEI/1	Delta Legal Expenses 10/19 R0923
	D12848/2024/DOT/1	Dacred
	D12848/2024/ID/1	See Endorsement

**POLICY PERIOD:** Inception Date: 31 March 2024  
 Expiration Date: 31 March 2025 (4:00 pm NZ Standard Time)

### LIMIT OF LIABILITY:

Directors & Officers Liability	\$1,000,000 Any One Claim and in the Aggregate
Corporate Liability	\$1,000,000 Any One Claim and in the Aggregate
General Liability	\$10,000,000 Any One Occurrence (Products Liability in the aggregate)
Employers Liability	\$500,000 Any One Claim and in the Aggregate
Statutory Liability	\$1,000,000 Any One Claim and in the Aggregate
Crime	\$150,000 Any one single loss and in the aggregate
Commercial Legal Expenses	\$100,000 Any One Claim and in the Aggregate
Dacred Online Training Tool	\$0
Optima Infectious Diseases Extension	\$100,000 Any single Covered Event and in the Aggregate

**UNDERWRITERS:** Delta New Zealand Ltd for and on behalf of Certain Underwriters at Lloyd's



This is to certify that

## Morecrock Contractors Limited

Has been approved under the Health and Safety  
at Work (Asbestos) Regulations 2016 for a

### CLASS B ASBESTOS REMOVAL LICENCE

The removal of the following at a workplace:

- More than 10m<sup>2</sup> (cumulatively over the course of the removal project for the site) of non-friable asbestos or asbestos containing material
- Asbestos contaminated dust associated with the removal of more than 10m<sup>2</sup> (cumulatively over the course of the removal project for the site) of non-friable asbestos or asbestos containing material

Licence number: RB16100193

Date of issue: 13-DEC-2021

Date of Expiry: 13-DEC-2026

**Myles Brennan**  
Team Leader – Technical Specialist  
Construction, Asbestos and Diving



**Te Kāwanatanga o Aotearoa**  
New Zealand Government





## Notification Of Licensed Asbestos Removal

This email confirms that WorkSafe has received your notification of asbestos removal work

Reference ID 00065335  
Date Created 26 March 2024

Does this information relate to the immediate removal of asbestos work?\* No  
Have you given notice to WorkSafe by telephone?\* No

### Licensee details

Name of licence holder\* MORECROFT CONTRACTORS LIMITED

Asbestos removal licence number RB16100163

Business contact number\* 0800333311  
Email\* sales@morecroft.co.nz

### Supervisor details

Last name*	First name*	Business contact number*	Email*
Romana	Thomas	021 201 8479 - Thomas	thnr76@gmail.com

### Clearance inspection

Last name\* Ben  
First name\* Alford  
Assessor licence number  
Assessor licence expiry

### Person or organisation for whom the work is being carried out

Full legal name\* DEMPSEY WOOD CIVIL LIMITED  
Trading name  
New Zealand Business Number(NZBN) 9429038448959  
Business contact number\* 0212203868  
Email Krishniel.Prasad@Dempseywood.co.nz  
Contact name\* Krishniel Prasad

### PCBU with management or control of the workplace

Full legal name\* DEMPSEY WOOD CIVIL LIMITED  
Trading name  
New Zealand Business Number(NZBN) 9429038448959  
Workplace address  
Street address 1\* 62 Papakura-Clevedon Road  
Locality/Suburb\* Clevedon  
Region/City\* Papakura

Where in the workplace is the asbestos located?\* Asbestos fibre cement pipework located on ground

**Notification dates**

Date notified Worksafe\* 26 March 2024  
Work start date\* 02 April 2024  
Estimated duration of work (in days)\* 30

**Work details**

Type of asbestos being removed\* Non-friable  
Removal area enclosure information  
What is the estimated quantity of asbestos to be removed?\* 25Lm of 300mm Diameter fibre cement pipework (23.5m<sup>2</sup>)  
Specify how the asbestos waste will be transported and disposed of\* All asbestos waste will be double-wrapped in 200µm polythene, sealed with PVC/ Cloth Tape, and then placed in an allocated waste disposal area. All waste will be disposed of at an approved licensed waste facility.

**Worker details**

How many workers are carrying out the removal work?\* 1

Last name*	First name*	Holds certificate in relevant training*	Summary of training*
Fotuhetule	Braeden	Yes	Yes, Class A&B Skilled Asbestos Training

**Declaration**

Full legal name\* Jason Morris  
Date\* 26 March 2024  
Email address of contact person\* jasonm@morecroft.co.nz



Jason Morris <jasonm@morecroft.co.nz>

---

**00065335, WSN, 62 Papakura-Clevedon Road, Clevedon, Auckland - Asbestos removal works**

1 message

---

**Jason Morris** <jasonm@morecroft.co.nz>  
To: Asbestos Notifications <Asbestos.Notifications@worksafe.govt.nz>  
Cc: Morecroft Sales <sales@morecroft.co.nz>

Thu, Apr 4, 2024 at 11:44 AM

Good day, Asbestos Team

Please be advised that the start date for this project has been pushed out to **Monday 08/04/2024**

If you have any questions, please do not hesitate to contact me

Kind Regards,



**Jason Morris**  
Quantity Surveyor/ Estimator  
021 332 346 | jasonm@morecroft.co.nz  
www.morecroft.co.nz

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By signing this ARCP Acknowledgment you have read and agree to follow all areas covered in this ARCP document to the best of your ability. If you are unsure of anything written in this document please talk to your site supervisor before signing.

[illegible]



***Appendix C***  
***Validation Sampling Results & Laboratory Transcripts-***  
***2023 Works***



## Certificate of Analysis

Page 1 of 2

<b>Client:</b>	Fraser Thomas Limited	<b>Lab No:</b>	3119374	SPV1
<b>Contact:</b>	Elliot Bish C/- Fraser Thomas Limited PO Box 204006 Highbrook Auckland 2161	<b>Date Received:</b>	19-Nov-2022	
		<b>Date Reported:</b>	25-Nov-2022	
		<b>Quote No:</b>	92882	
		<b>Order No:</b>	PO000800	
		<b>Client Reference:</b>	33041	
		<b>Submitted By:</b>	Ben Laing-McConnell	

### Sample Type: Soil

Sample Name:	Pb05 0-150 TCLP 18-Nov-2022	Pb07 0-150 TCLP 18-Nov-2022	Pb09 0-150 TCLP 18-Nov-2022	Pb10 0-150 TCLP 18-Nov-2022
Lab Number:	3119374.1	3119374.2	3119374.3	3119374.4
TCLP Weight of Sample Taken	g	50	50	50
TCLP Initial Sample pH	pH Units	9.0	7.5	7.0
TCLP Acid Adjusted Sample pH	pH Units	1.9	1.6	1.6
TCLP Extractant Type*	NaOH/Acetic acid at pH 4.93 +/- 0.05	NaOH/Acetic acid at pH 4.93 +/- 0.05	NaOH/Acetic acid at pH 4.93 +/- 0.05	NaOH/Acetic acid at pH 4.93 +/- 0.05
TCLP Extraction Fluid pH	pH Units	4.9	4.9	4.9
TCLP Post Extraction Sample pH	pH Units	6.3	4.9	4.9

### Sample Type: Aqueous

Sample Name:	Pb05 0-150 TCLP [TCLP Extract] 18-Nov-2022	Pb07 0-150 TCLP [TCLP Extract] 18-Nov-2022	Pb09 0-150 TCLP [TCLP Extract] 18-Nov-2022	Pb10 0-150 TCLP [TCLP Extract] 18-Nov-2022
Lab Number:	3119374.5	3119374.6	3119374.7	3119374.8
Total Lead	g/m <sup>3</sup>	0.022	0.139	0.27
				0.112

## Summary of Methods

The following table(s) gives a brief description of the methods used to conduct the analyses for this job. The detection limits given below are those attainable in a relatively simple matrix. Detection limits may be higher for individual samples should insufficient sample be available, or if the matrix requires that dilutions be performed during analysis. A detection limit range indicates the lowest and highest detection limits in the associated suite of analytes. A full listing of compounds and detection limits are available from the laboratory upon request. Unless otherwise indicated, analyses were performed at Hill Laboratories, 28 Duke Street, Frankton, Hamilton 3204.

### Sample Type: Soil

Test	Method Description	Default Detection Limit	Sample No
Individual Tests			
TCLP Profile*	Extraction at 30 +/- 2 rpm for 18 +/- 2 hours, (Ratio 1g sample : 20g extraction fluid). US EPA 1311.	-	1-4
TCLP Profile			
TCLP Weight of Sample Taken	Gravimetric. US EPA 1311.	0.1 g	1-4
TCLP Initial Sample pH	pH meter. US EPA 1311.	0.1 pH Units	1-4
TCLP Acid Adjusted Sample pH	pH meter. US EPA 1311.	0.1 pH Units	1-4
TCLP Extractant Type*	US EPA 1311.	-	1-4
TCLP Extraction Fluid pH	pH meter. US EPA 1311.	0.1 pH Units	1-4
TCLP Post Extraction Sample pH	pH meter. US EPA 1311.	0.1 pH Units	1-4

### Sample Type: Aqueous

Test	Method Description	Default Detection Limit	Sample No
Individual Tests			
Total Digestion of Extracted Samples*	Nitric acid digestion. APHA 3030 E (modified) 23 <sup>rd</sup> ed. 2017.	-	5-8
Total Lead	Nitric acid digestion, ICP-MS, screen level. APHA 3125 B 23 <sup>rd</sup> ed. 2017.	0.0021 g/m <sup>3</sup>	5-8



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These samples were collected by yourselves (or your agent) and analysed as received at the laboratory.

Testing was completed between 23-Nov-2022 and 25-Nov-2022. For completion dates of individual analyses please contact the laboratory.

Samples are held at the laboratory after reporting for a length of time based on the stability of the samples and analytes being tested (considering any preservation used), and the storage space available. Once the storage period is completed, the samples are discarded unless otherwise agreed with the customer. Extended storage times may incur additional charges.

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A handwritten signature in blue ink, appearing to be 'Ara Heron', written over a horizontal line.

Ara Heron BSc (Tech)  
Client Services Manager - Environmental



## Certificate of Analysis

Page 1 of 2

<b>Client:</b>	Fraser Thomas Limited	<b>Lab No:</b>	3136712	SPv1
<b>Contact:</b>	Elliot Bish	<b>Date Received:</b>	14-Dec-2022	
	C/- Fraser Thomas Limited	<b>Date Reported:</b>	19-Dec-2022	
	PO Box 204006	<b>Quote No:</b>	92882	
	Highbrook	<b>Order No:</b>	000809	
	Auckland 2161	<b>Client Reference:</b>	33041	
		<b>Submitted By:</b>	Ben Laing-McConnell	

### Sample Type: Soil

<b>Sample Name:</b>	A2S1	A2S2	A2S3	A2S4	A2S5 0.15
	06-Dec-2022	06-Dec-2022	06-Dec-2022	06-Dec-2022	06-Dec-2022
<b>Lab Number:</b>	3136712.1	3136712.2	3136712.3	3136712.4	3136712.5
Total Recoverable Lead	mg/kg dry wt	127	18.2	123	41

<b>Sample Name:</b>	A2S6 0.15	A2S7	A2S8	A2S9 0.15	A2S10
	06-Dec-2022	06-Dec-2022	06-Dec-2022	06-Dec-2022	06-Dec-2022
<b>Lab Number:</b>	3136712.6	3136712.7	3136712.8	3136712.9	3136712.10
Total Recoverable Lead	mg/kg dry wt	31	29	49	30

<b>Sample Name:</b>	A2S11	A2S12 0.15	A3S1	A3S2	A3S3
	06-Dec-2022	06-Dec-2022	06-Dec-2022	06-Dec-2022	06-Dec-2022
<b>Lab Number:</b>	3136712.11	3136712.12	3136712.13	3136712.14	3136712.15
Total Recoverable Lead	mg/kg dry wt	30	33	28	24

<b>Sample Name:</b>	A3S4	A3S5	A3S6	A3S7 0.15	A3S8 0.15
	06-Dec-2022	06-Dec-2022	06-Dec-2022	06-Dec-2022	06-Dec-2022
<b>Lab Number:</b>	3136712.16	3136712.17	3136712.18	3136712.19	3136712.20
Total Recoverable Lead	mg/kg dry wt	43	98	32	21

<b>Sample Name:</b>	A3S9 0.15	A4S1	A4S2	A4S3	A4S4
	06-Dec-2022	06-Dec-2022	06-Dec-2022	06-Dec-2022	06-Dec-2022
<b>Lab Number:</b>	3136712.21	3136712.22	3136712.23	3136712.24	3136712.25
Total Recoverable Lead	mg/kg dry wt	30	129	51	37

<b>Sample Name:</b>	A4S5 0.15	A4S6 0.15	A2S13 06-Dec-2022	A2S14 06-Dec-2022
	06-Dec-2022	06-Dec-2022		
<b>Lab Number:</b>	3136712.26	3136712.27	3136712.28	3136712.29
Total Recoverable Lead	mg/kg dry wt	108	80	24

## Summary of Methods

The following table(s) gives a brief description of the methods used to conduct the analyses for this job. The detection limits given below are those attainable in a relatively simple matrix. Detection limits may be higher for individual samples should insufficient sample be available, or if the matrix requires that dilutions be performed during analysis. A detection limit range indicates the lowest and highest detection limits in the associated suite of analytes. A full listing of compounds and detection limits are available from the laboratory upon request. Unless otherwise indicated, analyses were performed at Hill Laboratories, 28 Duke Street, Frankton, Hamilton 3204.

Sample Type: Soil			
Test	Method Description	Default Detection Limit	Sample No
Environmental Solids Sample Drying*	Air dried at 35°C Used for sample preparation. May contain a residual moisture content of 2-5%.	-	1-29
Environmental Solids Sample Preparation	Air dried at 35°C and sieved, <2mm fraction. Used for sample preparation May contain a residual moisture content of 2-5%.	-	1-29
Total Recoverable digestion	Nitric / hydrochloric acid digestion. US EPA 200.2.	-	1-29
Total Recoverable Lead	Dried sample, sieved as specified (if required). Nitric/Hydrochloric acid digestion, ICP-MS, screen level. US EPA 200.2.	0.4 mg/kg dry wt	1-29



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These samples were collected by yourselves (or your agent) and analysed as received at the laboratory.

Testing was completed on 16-Dec-2022. For completion dates of individual analyses please contact the laboratory.

Samples are held at the laboratory after reporting for a length of time based on the stability of the samples and analytes being tested (considering any preservation used), and the storage space available. Once the storage period is completed, the samples are discarded unless otherwise agreed with the customer. Extended storage times may incur additional charges.

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Ara Heron BSc (Tech)  
Client Services Manager - Environmental



## Certificate of Analysis

Page 1 of 1

<b>Client:</b>	Fraser Thomas Limited	<b>Lab No:</b>	3143769	SPV1
<b>Contact:</b>	Elliot Bish	<b>Date Received:</b>	23-Dec-2022	
	C/- Fraser Thomas Limited	<b>Date Reported:</b>	16-Jan-2023	
	PO Box 204006	<b>Quote No:</b>	92882	
	Highbrook	<b>Order No:</b>	PO000820	
	Auckland 2161	<b>Client Reference:</b>	33041	
		<b>Submitted By:</b>	Ben Laing-McConnell	

Sample Type: Soil						
<b>Sample Name:</b>	A2S1 v2	A2S3 v2	A3S5 v2	A4S1 v2	A4S5 v2	
	21-Dec-2022	21-Dec-2022	21-Dec-2022	21-Dec-2022	21-Dec-2022	
<b>Lab Number:</b>	3143769.1	3143769.2	3143769.3	3143769.4	3143769.5	
Total Recoverable Lead	mg/kg dry wt	27	21	22	30	158

<b>Sample Name:</b>	A4S6 v2 21-Dec-2022					
<b>Lab Number:</b>	3143769.6					
Total Recoverable Lead	mg/kg dry wt	38				

## Summary of Methods

The following table(s) gives a brief description of the methods used to conduct the analyses for this job. The detection limits given below are those attainable in a relatively simple matrix. Detection limits may be higher for individual samples should insufficient sample be available, or if the matrix requires that dilutions be performed during analysis. A detection limit range indicates the lowest and highest detection limits in the associated suite of analytes. A full listing of compounds and detection limits are available from the laboratory upon request. Unless otherwise indicated, analyses were performed at Hill Laboratories, 28 Duke Street, Frankton, Hamilton 3204.

Sample Type: Soil			
Test	Method Description	Default Detection Limit	Sample No
Environmental Solids Sample Drying*	Air dried at 35°C Used for sample preparation. May contain a residual moisture content of 2-5%.	-	1-6
Environmental Solids Sample Preparation	Air dried at 35°C and sieved, <2mm fraction. Used for sample preparation May contain a residual moisture content of 2-5%.	-	1-6
Total Recoverable digestion	Nitric / hydrochloric acid digestion. US EPA 200.2.	-	1-6
Total Recoverable Lead	Dried sample, sieved as specified (if required). Nitric/Hydrochloric acid digestion, ICP-MS, screen level. US EPA 200.2.	0.4 mg/kg dry wt	1-6

These samples were collected by yourselves (or your agent) and analysed as received at the laboratory.

Testing was completed between 23-Dec-2022 and 29-Dec-2022. For completion dates of individual analyses please contact the laboratory.

Samples are held at the laboratory after reporting for a length of time based on the stability of the samples and analytes being tested (considering any preservation used), and the storage space available. Once the storage period is completed, the samples are discarded unless otherwise agreed with the customer. Extended storage times may incur additional charges.

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Kim Harrison MSc  
Client Services Manager - Environmental



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## Certificate of Analysis

Page 1 of 3

<b>Client:</b>	Fraser Thomas Limited	<b>Lab No:</b>	3157337	SPv1
<b>Contact:</b>	Elliot Bish	<b>Date Received:</b>	21-Jan-2023	
	C/- Fraser Thomas Limited	<b>Date Reported:</b>	25-Jan-2023	
	PO Box 204006	<b>Quote No:</b>	92882	
	Highbrook	<b>Order No:</b>	PO000824	
	Auckland 2161	<b>Client Reference:</b>	33041	
		<b>Submitted By:</b>	Ben Laing-McConnell	

### Sample Type: Soil

Sample Name:		A1S1	A1S2	A1S3	A1S4	A1S5
		19-Jan-2023	19-Jan-2023	19-Jan-2023	19-Jan-2023	19-Jan-2023
Lab Number:		3157337.1	3157337.2	3157337.3	3157337.4	3157337.5
Individual Tests						
Dry Matter	g/100g as rcvd	82	78	83	82	81
Total Recoverable Arsenic	mg/kg dry wt	3	3	5	28	< 2
Total Recoverable Copper	mg/kg dry wt	8	10	11	8	5
Total Recoverable Lead	mg/kg dry wt	27	25	14.6	17.0	12.4
Total Recoverable Zinc	mg/kg dry wt	37	59	84	27	42
Polycyclic Aromatic Hydrocarbons Screening in Soil*						
Total of Reported PAHs in Soil	mg/kg dry wt	< 0.3	< 0.4	< 0.3	< 0.3	< 0.3
1-Methylnaphthalene	mg/kg dry wt	< 0.013	< 0.013	< 0.012	< 0.013	< 0.012
2-Methylnaphthalene	mg/kg dry wt	< 0.013	< 0.013	< 0.012	< 0.013	< 0.012
Acenaphthylene	mg/kg dry wt	< 0.013	< 0.013	< 0.012	< 0.013	< 0.012
Acenaphthene	mg/kg dry wt	< 0.013	< 0.013	< 0.012	< 0.013	< 0.012
Anthracene	mg/kg dry wt	< 0.013	< 0.013	< 0.012	< 0.013	< 0.012
Benzo[a]anthracene	mg/kg dry wt	< 0.013	< 0.013	< 0.012	< 0.013	< 0.012
Benzo[a]pyrene (BAP)	mg/kg dry wt	< 0.013	< 0.013	< 0.012	< 0.013	< 0.012
Benzo[a]pyrene Potency Equivalency Factor (PEF) NES*	mg/kg dry wt	< 0.030	< 0.031	< 0.028	< 0.030	< 0.029
Benzo[a]pyrene Toxic Equivalence (TEF)*	mg/kg dry wt	< 0.030	< 0.031	< 0.028	< 0.030	< 0.029
Benzo[b]fluoranthene + Benzo[j]fluoranthene	mg/kg dry wt	< 0.013	< 0.013	< 0.012	< 0.013	< 0.012
Benzo[e]pyrene	mg/kg dry wt	< 0.013	< 0.013	< 0.012	< 0.013	< 0.012
Benzo[g,h,i]perylene	mg/kg dry wt	< 0.013	< 0.013	< 0.012	< 0.013	< 0.012
Benzo[k]fluoranthene	mg/kg dry wt	< 0.013	< 0.013	< 0.012	< 0.013	< 0.012
Chrysene	mg/kg dry wt	< 0.013	< 0.013	< 0.012	< 0.013	< 0.012
Dibenzo[a,h]anthracene	mg/kg dry wt	< 0.013	< 0.013	< 0.012	< 0.013	< 0.012
Fluoranthene	mg/kg dry wt	< 0.013	< 0.013	< 0.012	< 0.013	< 0.012
Fluorene	mg/kg dry wt	< 0.013	< 0.013	< 0.012	< 0.013	< 0.012
Indeno(1,2,3-c,d)pyrene	mg/kg dry wt	< 0.013	< 0.013	< 0.012	< 0.013	< 0.012
Naphthalene	mg/kg dry wt	< 0.07	< 0.07	< 0.06	< 0.07	< 0.06
Perylene	mg/kg dry wt	< 0.013	< 0.013	< 0.012	< 0.013	< 0.012
Phenanthrene	mg/kg dry wt	< 0.013	< 0.013	< 0.012	< 0.013	< 0.012
Pyrene	mg/kg dry wt	< 0.013	< 0.013	< 0.012	< 0.013	< 0.012
Total Petroleum Hydrocarbons in Soil						
C7 - C9	mg/kg dry wt	< 20	< 20	< 20	< 20	< 20
C10 - C14	mg/kg dry wt	< 20	< 20	< 20	< 20	< 20
C15 - C36	mg/kg dry wt	< 40	< 40	< 40	< 40	< 40
Total hydrocarbons (C7 - C36)	mg/kg dry wt	< 80	< 80	< 80	< 80	< 80



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Sample Type: Soil						
Sample Name:		A1S6 19-Jan-2023	A1S7 19-Jan-2023	A1S8 19-Jan-2023	A1S9 19-Jan-2023	A1S10 19-Jan-2023
Lab Number:		3157337.6	3157337.7	3157337.8	3157337.9	3157337.10
Individual Tests						
Total Recoverable Lead	mg/kg dry wt	24	12.5	27	10.8	23
Sample Name:		A1S11 19-Jan-2023	A1S12 19-Jan-2023	A1S13 19-Jan-2023	A1S14 19-Jan-2023	A1S15 19-Jan-2023
Lab Number:		3157337.11	3157337.12	3157337.13	3157337.14	3157337.15
Individual Tests						
Total Recoverable Lead	mg/kg dry wt	27	22	22	17.8	13.5
Sample Name:		A1S16 19-Jan-2023	A1S17 19-Jan-2023	A1S18 19-Jan-2023	A1S19 19-Jan-2023	A1S20 19-Jan-2023
Lab Number:		3157337.16	3157337.17	3157337.18	3157337.19	3157337.20
Individual Tests						
Total Recoverable Arsenic	mg/kg dry wt	-	-	-	5	< 2
Total Recoverable Lead	mg/kg dry wt	14.1	11.7	11.4	12.4	14.0
Sample Name:		A1S21 19-Jan-2023	A1S22 19-Jan-2023	A1S23 19-Jan-2023	A4S5B 19-Jan-2023	
Lab Number:		3157337.21	3157337.22	3157337.23	3157337.24	
Individual Tests						
Total Recoverable Arsenic	mg/kg dry wt	4	2	5	-	
Total Recoverable Lead	mg/kg dry wt	12.4	10.1	11.0	12.0	

## Summary of Methods

The following table(s) gives a brief description of the methods used to conduct the analyses for this job. The detection limits given below are those attainable in a relatively simple matrix. Detection limits may be higher for individual samples should insufficient sample be available, or if the matrix requires that dilutions be performed during analysis. A detection limit range indicates the lowest and highest detection limits in the associated suite of analytes. A full listing of compounds and detection limits are available from the laboratory upon request. Unless otherwise indicated, analyses were performed at Hill Laboratories, 28 Duke Street, Frankton, Hamilton 3204.

Sample Type: Soil			
Test	Method Description	Default Detection Limit	Sample No
Individual Tests			
Environmental Solids Sample Drying*	Air dried at 35°C Used for sample preparation. May contain a residual moisture content of 2-5%.	-	1-24
Environmental Solids Sample Preparation	Air dried at 35°C and sieved, <2mm fraction. Used for sample preparation May contain a residual moisture content of 2-5%.	-	1-24
Total of Reported PAHs in Soil	Sonication extraction, GC-MS analysis. In-house based on US EPA 8270.	0.03 mg/kg dry wt	1-5
Dry Matter (Env)	Dried at 103°C for 4-22hr (removes 3-5% more water than air dry) , gravimetry. (Free water removed before analysis, non-soil objects such as sticks, leaves, grass and stones also removed). US EPA 3550.	0.10 g/100g as rcvd	1-5
Total Recoverable digestion	Nitric / hydrochloric acid digestion. US EPA 200.2.	-	1-24
Total Recoverable Arsenic	Dried sample, sieved as specified (if required). Nitric/Hydrochloric acid digestion, ICP-MS, screen level. US EPA 200.2.	2 mg/kg dry wt	1-5, 19-23
Total Recoverable Copper	Dried sample, sieved as specified (if required). Nitric/Hydrochloric acid digestion, ICP-MS, screen level. US EPA 200.2.	2 mg/kg dry wt	1-5
Total Recoverable Lead	Dried sample, sieved as specified (if required). Nitric/Hydrochloric acid digestion, ICP-MS, screen level. US EPA 200.2.	0.4 mg/kg dry wt	1-24
Total Recoverable Zinc	Dried sample, sieved as specified (if required). Nitric/Hydrochloric acid digestion, ICP-MS, screen level. US EPA 200.2.	4 mg/kg dry wt	1-5
Benzo[a]pyrene Potency Equivalency Factor (PEF) NES*	BaP Potency Equivalence calculated from; Benzo(a)anthracene x 0.1 + Benzo(b)fluoranthene x 0.1 + Benzo(j)fluoranthene x 0.1 + Benzo(k)fluoranthene x 0.1 + Benzo(a)pyrene x 1.0 + Chrysene x 0.01 + Dibenzo(a,h)anthracene x 1.0 + Fluoranthene x 0.01 + Indeno(1,2,3-c,d)pyrene x 0.1. Ministry for the Environment. 2011. Methodology for Deriving Standards for Contaminants in Soil to Protect Human Health. Wellington: Ministry for the Environment.	0.024 mg/kg dry wt	1-5



Sample Type: Soil			
Test	Method Description	Default Detection Limit	Sample No
Benzo[a]pyrene Toxic Equivalence (TEF)*	Benzo[a]pyrene Toxic Equivalence (TEF) calculated from; Benzo[a]pyrene x 1.0 + Benzo(a)anthracene x 0.1 + Benzo(b)fluoranthene x 0.1 + Benzo(k)fluoranthene x 0.1 + Chrysene x 0.01 + Dibenzo(a,h)anthracene x 1.0 + Indeno(1,2,3-c,d)pyrene x 0.1. Guidelines for assessing and managing contaminated gasworks sites in New Zealand (GMG) (MfE, 1997).	0.024 mg/kg dry wt	1-5
TPH Oil Industry Profile + PAHscreen	Sonication extraction, GC-FID and GC-MS analysis. Tested on as received sample. In-house based on US EPA 8015 and US EPA 8270.	0.010 - 70 mg/kg dry wt	1-5
Total Petroleum Hydrocarbons in Soil			
C7 - C9	Solvent extraction, GC-FID analysis. In-house based on US EPA 8015.	20 mg/kg dry wt	1-5
C10 - C14	Solvent extraction, GC-FID analysis. Tested on as received sample. In-house based on US EPA 8015.	20 mg/kg dry wt	1-5
C15 - C36	Solvent extraction, GC-FID analysis. Tested on as received sample. In-house based on US EPA 8015.	40 mg/kg dry wt	1-5
Total hydrocarbons (C7 - C36)	Calculation: Sum of carbon bands from C7 to C36. In-house based on US EPA 8015.	70 mg/kg dry wt	1-5

These samples were collected by yourselves (or your agent) and analysed as received at the laboratory.

Testing was completed between 23-Jan-2023 and 25-Jan-2023. For completion dates of individual analyses please contact the laboratory.

Samples are held at the laboratory after reporting for a length of time based on the stability of the samples and analytes being tested (considering any preservation used), and the storage space available. Once the storage period is completed, the samples are discarded unless otherwise agreed with the customer. Extended storage times may incur additional charges.

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Ara Heron BSc (Tech)  
Client Services Manager - Environmental



## Certificate of Analysis

Page 1 of 1

<b>Client:</b>	Fraser Thomas Limited	<b>Lab No:</b>	3161140	SPV1
<b>Contact:</b>	Elliot Bish	<b>Date Received:</b>	27-Jan-2023	
	C/- Fraser Thomas Limited	<b>Date Reported:</b>	01-Feb-2023	
	PO Box 204006	<b>Quote No:</b>	92882	
	Highbrook	<b>Order No:</b>	33041	
	Auckland 2161	<b>Client Reference:</b>	33041	
		<b>Submitted By:</b>	Ben Laing-McConnell	

### Sample Type: Soil

<b>Sample Name:</b>	A1S4 B 26-Jan-2023
<b>Lab Number:</b>	3161140.1
Total Recoverable Arsenic mg/kg dry wt	2

## Summary of Methods

The following table(s) gives a brief description of the methods used to conduct the analyses for this job. The detection limits given below are those attainable in a relatively simple matrix. Detection limits may be higher for individual samples should insufficient sample be available, or if the matrix requires that dilutions be performed during analysis. A detection limit range indicates the lowest and highest detection limits in the associated suite of analytes. A full listing of compounds and detection limits are available from the laboratory upon request. Unless otherwise indicated, analyses were performed at Hill Laboratories, 28 Duke Street, Frankton, Hamilton 3204.

### Sample Type: Soil

Test	Method Description	Default Detection Limit	Sample No
Environmental Solids Sample Drying*	Air dried at 35°C Used for sample preparation. May contain a residual moisture content of 2-5%.	-	1
Environmental Solids Sample Preparation	Air dried at 35°C and sieved, <2mm fraction. Used for sample preparation May contain a residual moisture content of 2-5%.	-	1
Total Recoverable digestion	Nitric / hydrochloric acid digestion. US EPA 200.2.	-	1
Total Recoverable Arsenic	Dried sample, sieved as specified (if required). Nitric/Hydrochloric acid digestion, ICP-MS, screen level. US EPA 200.2.	2 mg/kg dry wt	1

These samples were collected by yourselves (or your agent) and analysed as received at the laboratory.

Testing was completed between 27-Jan-2023 and 01-Feb-2023. For completion dates of individual analyses please contact the laboratory.

Samples are held at the laboratory after reporting for a length of time based on the stability of the samples and analytes being tested (considering any preservation used), and the storage space available. Once the storage period is completed, the samples are discarded unless otherwise agreed with the customer. Extended storage times may incur additional charges.

This certificate of analysis must not be reproduced, except in full, without the written consent of the signatory.

Martin Cowell - BSc  
Client Services Manager - Environmental



This Laboratory is accredited by International Accreditation New Zealand (IANZ), which represents New Zealand in the International Laboratory Accreditation Cooperation (ILAC). Through the ILAC Mutual Recognition Arrangement (ILAC-MRA) this accreditation is internationally recognised. The tests reported herein have been performed in accordance with the terms of accreditation, with the exception of tests marked \* or any comments and interpretations, which are not accredited.

## Semi Quantitative Analysis of Soil

**Client:** Fraser Thomas LTD  
**Contact:** Elliot Bish  
**Tel:** 021 225 4572  
**Email:** ebish@ftl.co.nz  
**Address:** 21 El Kobar Drive

Focus Analytics Ltd  
 Unit C1, 4 Pacific Rise  
 Mount Wellington  
 Auckland 1060  
 Tel: +64 (0) 9 525 0568

Site : 33041

Date sample(s)  
 received: 04/04/2023

Date sample(s) analysed: 12/04/2023

Samples taken  
 by: EB/BLM

Certificate / Job Number: Q-00389/33041

### Qualitative Analysis of Asbestos

Lab ID	Sample ID	Sample Details	Sample Weight (g) (as received)	Fibres Identified
1	ACM01		860	CHR, ORF
2	ACM02		671	CHR, ORF
3	ACM03		689	CHR, ORF
4	ACM04		777	CHR, ORF
5	ACM05		556	ORF, NAD
6	ACM06		756	CHR, ORF
7	ACM07		583	ORF, NAD
8	ACM08		581	ORF, NAD
9	ACM09		797	AMO, CHR, ORF
10	ACM10		562	ORF, NAD
11	ACM11		796	AMO, CHR, ORF

#### Fibre Identification Key:

CHR – Chrysotile (White Asbestos)      ORF – Organic Fibre  
 AMO – Amosite (Brown / Grey Asbestos)      SMF – Synthetic Mineral Fibre  
 CRO – Crocidolite – (Blue Asbestos)      NFD – No Fibres Detected  
 UMF – Unknown Mineral Fibre      NAD – No Asbestos Detected

#### Scope of Accreditation:

- The analytical comments marked (\*) stated in the semi-quantitative analysis and the calculations in the semi-quantitative analysis of asbestos in soil are beyond Focus Analytics scope of accreditation.
- The laboratory is not responsible for sampling errors when we have not taken the sample.
- This certificate should be read in its entirety and shall not be reproduced except in full, without written approval of the laboratory.

**\*Semi Quantitative Analysis of Soil****\*Semi Quantitative Analysis of Asbestos in Soil**

Date sample(s) received: 04/04/2023

Date sample(s) analysed: 12/04/2023

Lab ID	Sample ID	As received weight (g)	Dry weight (g)	Moisture (%)	Fraction size (mm)	Dry fraction weight (g)	Asbestos product weight (g)	Asbestos product type	Percentage of asbestos in product <sup>a</sup>	Total mass of Asbestos in sample <sup>b</sup>	Bonded Asbestos containing material in sample <sup>c</sup> (% w/w)	Asbestos as FA (% w/w) <sup>d</sup>	Asbestos as AF (% w/w) <sup>e</sup>	Total Fibrous Asbestos + Asbestos Fines (Friable) (% w/w) <sup>f</sup>
1	ACM01	859.8	545.0	36.6	(>10mm) Fraction	0.0	-	NAD	-	0.0009	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	358.0	0.0008	FFF	100					
					(<2mm) Fraction	187.0	0.0001	FFF	100					
2	ACM02	671.2	444.0	33.8	(>10mm) Fraction	0.0	-	NAD	-	0.0021	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	288.6	0.0009	FFF	100					
					(<2mm) Fraction	155.4	0.0012	FFF	100					
3	ACM03	689.2	418.3	39.3	(>10mm) Fraction	0.0	-	NAD	-	0.0007	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	296.7	0.0002	FFF	100					
					(<2mm) Fraction	121.6	0.0005	FFF	100					
4	ACM04	777.0	499.4	35.7	(>10mm) Fraction	0.0	-	NAD	-	0.0018	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	252.7	0.0006	FFF	100					
					(<2mm) Fraction	246.7	0.0012	FFF	100					
5	ACM05	556.3	317.3	42.9	(>10mm) Fraction	0.0	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	192.5	-	NAD	-					
					(<2mm) Fraction	124.8	-	NAD	-					



**\*Semi Quantitative Analysis of Soil****\*Semi Quantitative Analysis of Asbestos in Soil**

Date sample(s) received: 04/04/2023

Date sample(s) analysed: 12/04/2023

Lab ID	Sample ID	As received weight (g)	Dry weight (g)	Moisture (%)	Fraction size (mm)	Dry fraction weight (g)	Asbestos product weight (g)	Asbestos product type	Percentage of asbestos in product <sup>a</sup>	Total mass of Asbestos in sample <sup>b</sup>	Bonded Asbestos containing material in sample <sup>c</sup> (% w/w)	Asbestos as FA (% w/w) <sup>d</sup>	Asbestos as AF (% w/w) <sup>e</sup>	Total Fibrous Asbestos + Asbestos Fines (Friable) (% w/w) <sup>f</sup>
6	ACM06	756.0	452.0	40.2	(>10mm) Fraction	0.0	-	NAD	-	0.0091	-	<0.001	0.002	0.002
					(10-2mm) Fraction	279.0	0.0082	FFF	100					
					(<2mm) Fraction	173.0	0.0009	FFF	100					
7	ACM07	583.0	403.1	30.9	(>10mm) Fraction	0.0	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	217.2	-	NAD	-					
					(<2mm) Fraction	185.9	-	NAD	-					
8	ACM08	581.2	300.6	48.3	(>10mm) Fraction	0.0	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	197.8	-	NAD	-					
					(<2mm) Fraction	102.8	-	NAD	-					
9	ACM09	797.1	366.8	54.0	(>10mm) Fraction	0.0	-	NAD	-	0.0075	-	<0.001	0.002	0.002
					(10-2mm) Fraction	209.9	0.0070	FFF	100					
					(<2mm) Fraction	156.9	0.0005	FFF	100					
10	ACM10	561.8	305.5	45.5	(>10mm) Fraction	0.0	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	198.3	-	NAD	-					
					(<2mm) Fraction	107.2	-	NAD	-					

**\*Semi Quantitative Analysis of Soil****\*Semi Quantitative Analysis of Asbestos in Soil**

Date sample(s) received: 04/04/2023

Date sample(s) analysed: 12/04/2023

Lab ID	Sample ID	As received weight (g)	Dry weight (g)	Moisture (%)	Fraction size (mm)	Dry fraction weight (g)	Asbestos product weight (g)	Asbestos product type	Percentage of asbestos in product <sup>a</sup>	Total mass of Asbestos in sample <sup>b</sup>	Bonded Asbestos containing material in sample <sup>c</sup> (% w/w)	Asbestos as FA (% w/w) <sup>d</sup>	Asbestos as AF (% w/w) <sup>e</sup>	Total Fibrous Asbestos + Asbestos Fines (Friable) (% w/w) <sup>f</sup>
11	ACM11	796.1	408.2	48.7	(>10mm) Fraction	0.0	-	NAD	-	0.0022	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	256.6	0.0010	FFF	100					
					(<2mm) Fraction	151.6	0.0012	FFF	100					



### Analysis Method:

Samples submitted have been analysed to determine the mass fraction of asbestos in soil using low powered stereo microscopy followed by polarised light microscopy (PLM) including dispersion staining techniques as documented in (AS 4964-2004), Method for the qualitative identification of asbestos in bulk samples, BRANZ, New Zealand Guidelines for *Assessing and Managing Asbestos in Soils:2017* and (TP 04) *our internal method Technical Procedure for Qualitative and Semi Qualitative analysis of asbestos in soil*.

### Product Identification Key:

BTP	Bituminous Product	LSE	Loose Fill Insulation
CMP	Cement Product	NAD	No Asbestos Detected
COM	Composite	PPR	Paper Product
FFF	Free Fibres	RPL	Reinforced Plastics
FIB	Fibre Board	TXC	Textured Coating
GCP	Gaskets (compressed)	VNP	Vinyl Products
GRW	Gaskets (rope/woven)	VPP	Vinyl with paper backing
INB	Insulating Board	WVP	Woven Product

### Interpretation of Key:

<sup>a</sup> Percentage of Asbestos in product is adopted from HSG 264 - 2012, Asbestos the survey guide, Appendix 2, ACMS in buildings and categorized in our internal Technical Procedure (TP04) for Qualitative and Semi-Quantitative analysis of asbestos in soil. A dash (-) denotes that there was no asbestos found in that fraction.

<sup>b</sup> Total Mass of Asbestos is the sum mass of asbestos-by-asbestos type in product type(<sup>a</sup>) plus the mass of free fibre asbestos. A dash (-) denotes that there was no total mass of asbestos calculated asbestos found in that fraction.

<sup>c</sup> Bonded Asbestos Containing Material in the greater than 10mm fraction as percentage of the total sample (% w/w). A dash (-) denotes that there was no bonded asbestos containing materials found in that fraction.

<sup>d</sup> Asbestos as Fibrous Asbestos (FA) in greater than 10mm fraction as percentage of total sample (% w/w).

<sup>e</sup> Asbestos as Asbestos Fines (AF) in less than 10mm fraction as a percentage of total sample (% w/w).

<sup>f</sup> Total Friable Asbestos combining Fibrous Asbestos and Asbestos Fines as the percentage weight for weight of the total sample (% w/w).

**Sample Retention:** Hold soil samples will only be stored for one month from date of receipt.

**Analyst Name:** Colin Wang

**Analyst Signature:** 

**Reviewed By KTP:** Colin Wang

**Reviewer Signature:** 

## Semi Quantitative Analysis of Soil

**Client:** Fraser Thomas LTD  
**Contact:** Elliot Bish  
**Tel:** 021 225 4572  
**Email:** ebish@ftl.co.nz  
**Address:** 21 El Kobar Drive

Focus Analytics Ltd  
 Unit C1, 4 Pacific Rise  
 Mount Wellington  
 Auckland 1060  
 Tel: +64 (0) 9 525 0568

Site : 33041

Date sample(s)  
 received: 01/05/2023

Date sample(s) analysed: 5/05/2023

Samples taken  
 by: EB/BLM

Certificate / Job Number: Q-00420/33041

### Qualitative Analysis of Asbestos

Lab ID	Sample ID	Sample Details	Sample Weight (g) (as received)	Fibres Identified
1	V1_R2 0.2		819	ORF, NAD
2	V2_R2 0.2		662	ORF, NAD
3	V3_R2 0.2		674	ORF, NAD
4	V4_R2 0.2		639	ORF, NAD
5	V6_R2 0.2		691	ORF, NAD
6	V9_R2 0.2		640	ORF, NAD
7	V11_R2 0.2		612	ORF, NAD

#### Fibre Identification Key:

CHR – Chrysotile (White Asbestos)	ORF – Organic Fibre
AMO – Amosite (Brown / Grey Asbestos)	SMF – Synthetic Mineral Fibre
CRO – Crocidolite – (Blue Asbestos)	NFD – No Fibres Detected
UMF – Unknown Mineral Fibre	NAD – No Asbestos Detected

#### Scope of Accreditation:

1. The analytical comments marked (\*) stated in the semi-quantitative analysis and the calculations in the semi-quantitative analysis of asbestos in soil are beyond Focus Analytics scope of accreditation.
2. The laboratory is not responsible for sampling errors when we have not taken the sample.
3. This certificate should be read in its entirety and shall not be reproduced except in full, without written approval of the laboratory.



**\*Semi Quantitative Analysis of Soil****\*Semi Quantitative Analysis of Asbestos in Soil**

Date sample(s) received: 01/05/2023

Date sample(s) analysed: 5/05/2023

Lab ID	Sample ID	As received weight (g)	Dry weight (g)	Moisture (%)	Fraction size (mm)	Dry fraction weight (g)	Asbestos product weight (g)	Asbestos product type	Percentage of asbestos in product <sup>a</sup>	Total mass of Asbestos in sample <sup>b</sup>	Bonded Asbestos containing material in sample <sup>c</sup> (% w/w)	Asbestos as FA (% w/w) <sup>d</sup>	Asbestos as AF (% w/w) <sup>e</sup>	Total Fibrous Asbestos + Asbestos Fines (Friable) (% w/w) <sup>f</sup>
1	V1_R2 0.2	818.7	523.8	36.0	(>10mm) Fraction	85.6	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	253.1	-	NAD	-					
					(<2mm) Fraction	185.1	-	NAD	-					
2	V2_R2 0.2	662.4	451.6	31.8	(>10mm) Fraction	92.4	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	178.8	-	NAD	-					
					(<2mm) Fraction	180.4	-	NAD	-					
3	V3_R2 0.2	673.7	420.4	37.5	(>10mm) Fraction	44.5	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	243.5	-	NAD	-					
					(<2mm) Fraction	132.4	-	NAD	-					
4	V4_R2 0.2	638.5	408.2	36.0	(>10mm) Fraction	48.0	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	264.6	-	NAD	-					
					(<2mm) Fraction	95.6	-	NAD	-					
5	V6_R2 0.2	690.6	436.6	36.7	(>10mm) Fraction	35.2	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	282.2	-	NAD	-					
					(<2mm) Fraction	119.2	-	NAD	-					

**\*Semi Quantitative Analysis of Soil****\*Semi Quantitative Analysis of Asbestos in Soil**

Date sample(s) received: 01/05/2023

Date sample(s) analysed: 5/05/2023

Lab ID	Sample ID	As received weight (g)	Dry weight (g)	Moisture (%)	Fraction size (mm)	Dry fraction weight (g)	Asbestos product weight (g)	Asbestos product type	Percentage of asbestos in product <sup>a</sup>	Total mass of Asbestos in sample <sup>b</sup>	Bonded Asbestos containing material in sample <sup>c</sup> (% w/w)	Asbestos as FA (% w/w) <sup>d</sup>	Asbestos as AF (% w/w) <sup>e</sup>	Total Fibrous Asbestos + Asbestos Fines (Friable) (% w/w) <sup>f</sup>
6	V9_R2 0.2	640.0	409.3	36.0	(>10mm) Fraction	82.0	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	262.8	-	NAD	-					
					(<2mm) Fraction	64.5	-	NAD	-					
7	V11_R 2 0.2	612.3	324.0	47.1	(>10mm) Fraction	143.6	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	143.0	-	NAD	-					
					(<2mm) Fraction	37.4	-	NAD	-					



### Analysis Method:

Samples submitted have been analysed to determine the mass fraction of asbestos in soil using low powered stereo microscopy followed by polarised light microscopy (PLM) including dispersion staining techniques as documented in (AS 4964-2004), Method for the qualitative identification of asbestos in bulk samples, BRANZ, New Zealand Guidelines for *Assessing and Managing Asbestos in Soils:2017* and (TP 04) *our internal method Technical Procedure for Qualitative and Semi Qualitative analysis of asbestos in soil.*

### Product Identification Key:

BTP	Bituminous Product	LSE	Loose Fill Insulation
CMP	Cement Product	NAD	No Asbestos Detected
COM	Composite	PPR	Paper Product
FFF	Free Fibres	RPL	Reinforced Plastics
FIB	Fibre Board	TXC	Textured Coating
GCP	Gaskets (compressed)	VNP	Vinyl Products
GRW	Gaskets (rope/woven)	VPP	Vinyl with paper backing
INB	Insulating Board	WVP	Woven Product

### Interpretation of Key:

<sup>a</sup> Percentage of Asbestos in product is adopted from HSG 264 - 2012, Asbestos the survey guide, Appendix 2, ACMS in buildings and categorized in our internal Technical Procedure (TP04) for Qualitative and Semi-Quantitative analysis of asbestos in soil. A dash (-) denotes that there was no asbestos found in that fraction.

<sup>b</sup> Total Mass of Asbestos is the sum mass of asbestos-by-asbestos type in product type(<sup>a</sup>) plus the mass of free fibre asbestos. A dash (-) denotes that there was no total mass of asbestos calculated asbestos found in that fraction.

<sup>c</sup> Bonded Asbestos Containing Material in the greater than 10mm fraction as percentage of the total sample (% w/w). A dash (-) denotes that there was no bonded asbestos containing materials found in that fraction.

<sup>d</sup> Asbestos as Fibrous Asbestos (FA) in greater than 10mm fraction as percentage of total sample (% w/w).

<sup>e</sup> Asbestos as Asbestos Fines (AF) in less than 10mm fraction as a percentage of total sample (% w/w).

<sup>f</sup> Total Friable Asbestos combining Fibrous Asbestos and Asbestos Fines as the percentage weight for weight of the total sample (% w/w).

**Sample Retention:** Hold soil samples will only be stored for one month from date of receipt.

**Analyst Name:** Emily Wang

**Analyst Signature:** 

**Reviewed By KTP:** Colin Wang

**Reviewer Signature:** 

***Appendix C***  
***Validation Sampling Results & Laboratory Transcripts -***  
***2024 ACM Pipe Validation***



## Semi Quantitative Analysis of Soil

**Client:** Fraser Thomas LTD  
**Contact:** Elliot Bish  
**Tel:** 021 225 4572  
**Email:** ebish@ftl.co.nz  
**Address:** 21 El Kobar Drive

Eurofins | Focus  
 Unit C1, 4 Pacific Rise  
 Mount Wellington  
 Auckland 1060  
 Tel: +64 (0) 9 525 0568

Site: : 33041

Date sample(s)  
 received: 09/04/2024

Date sample(s) analysed: 15/04/2024

Samples taken  
 by: Client

Certificate / Job Number: Q-00700v2/33041

This is an amended certificate to replace Q-00700 which was issued on 15/04/2024, changes have been made to Job No. at the request of client.

### Qualitative Analysis of Asbestos

Lab ID	Sample ID	Sample Details	Sample Weight (g) (as received)	Fibres Identified
01	V1		915	AMO, CHR, ORF
02	V2		751	ORF, NAD
03	V3		694	ORF, NAD
04	V4		1057	AMO, CHR, ORF
05	V5		856	AMO, CHR, ORF
06	V6		679	AMO, CHR, ORF
07	V7		717	CHR, ORF
08	V8		1081	AMO, CHR, CRO, ORF
09	V9		875	ORF, NAD
10	V10		732	CHR, ORF
11	V11		861	ORF, NAD

#### Fibre Identification Key:

CHR – Chrysotile (White Asbestos)      ORF – Organic Fibre  
 AMO – Amosite (Brown / Grey Asbestos)      SMF – Synthetic Mineral Fibre  
 CRO – Crocidolite – (Blue Asbestos)      NFD – No Fibres Detected  
 UMF – Unknown Mineral Fibre      NAD – No Asbestos Detected

#### Scope of Accreditation:

1. The analytical comments marked (\*) stated in the semi-quantitative analysis and the calculations in the semi-quantitative analysis of asbestos in soil are beyond Eurofins | Focus scope of accreditation.
2. The laboratory is not responsible for sampling errors when we have not taken the sample.
3. This certificate should be read in its entirety and shall not be reproduced except in full, without written approval of the laboratory.

**\*Semi Quantitative Analysis of Soil**

**\*Semi Quantitative Analysis of Asbestos in Soil**

Date sample(s) received: 09/04/2024

Date sample(s) analysed: 15/04/2024

Lab ID	Sample ID	As received weight (g)	Dry weight (g)	Moisture (%)	Fraction size (mm)	Dry fraction weight (g)	Asbestos product weight (g)	Asbestos product type	Percentage of asbestos in product <sup>a</sup>	Total mass of Asbestos in sample <sup>b</sup>	Bonded Asbestos containing material in sample (% w/w) <sup>c</sup>	Asbestos as FA (% w/w) <sup>d</sup>	Asbestos as AF (% w/w) <sup>e</sup>	Total Fibrous Asbestos + Asbestos Fines (Friable) (% w/w) <sup>f</sup>
01	V1	915.2	620.4	32.2	(>10mm) Fraction	179.2	-	NAD	-	0.0029	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	330.2	-	NAD	-					
					(<2mm) Fraction	111.0	0.0029	FFF	100					
02	V2	751.3	463.2	38.3	(>10mm) Fraction	180.9	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	201.5	-	NAD	-					
					(<2mm) Fraction	80.8	-	NAD	-					
03	V3	694.4	412.0	40.6	(>10mm) Fraction	97.7	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	221.7	-	NAD	-					
					(<2mm) Fraction	92.6	-	NAD	-					
04	V4	1056.6	667.6	36.8	(>10mm) Fraction	262.1	-	NAD	-	0.0079	-	<0.001	0.001	0.001
					(10-2mm) Fraction	257.8	-	NAD	-					
					(<2mm) Fraction	147.7	0.0079	FFF	100					
05	V5	855.6	530.3	38.0	(>10mm) Fraction	103.6	-	NAD	-	0.0478	-	<0.001	0.009	0.009
					(10-2mm) Fraction	291.7	0.2755	CMP	15					
					(<2mm) Fraction	135.0	0.0065	FFF	100					

**\*Semi Quantitative Analysis of Soil**

**\*Semi Quantitative Analysis of Asbestos in Soil**

Date sample(s) received: 09/04/2024

Date sample(s) analysed: 15/04/2024

Lab ID	Sample ID	As received weight (g)	Dry weight (g)	Moisture (%)	Fraction size (mm)	Dry fraction weight (g)	Asbestos product weight (g)	Asbestos product type	Percentage of asbestos in product <sup>a</sup>	Total mass of Asbestos in sample <sup>b</sup>	Bonded Asbestos containing material in sample (% w/w) <sup>c</sup>	Asbestos as FA (% w/w) <sup>d</sup>	Asbestos as AF (% w/w) <sup>e</sup>	Total Fibrous Asbestos + Asbestos Fines (Friable) (% w/w) <sup>f</sup>
06	V6	679.1	458.9	32.4	(>10mm) Fraction	134.2	-	NAD	-	0.0005	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	210.0	-	NAD	-					
					(<2mm) Fraction	114.7	0.0005	FFF	100					
07	V7	717.2	469.0	34.6	(>10mm) Fraction	148.9	-	NAD	-	0.0001	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	222.3	-	NAD	-					
					(<2mm) Fraction	97.8	0.0001	FFF	100					
08	V8	1080.5	690.0	36.1	(>10mm) Fraction	135.5	-	NAD	-	0.0102	-	<0.001	0.002	0.002
					(10-2mm) Fraction	397.3	-	NAD	-					
					(<2mm) Fraction	157.2	0.0102	FFF	100					
09	V9	874.9	541.3	38.1	(>10mm) Fraction	175.3	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	248.9	-	NAD	-					
					(<2mm) Fraction	117.1	-	NAD	-					
10	V10	731.9	477.7	34.7	(>10mm) Fraction	155.4	-	NAD	-	0.0001	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	233.7	-	NAD	-					
					(<2mm) Fraction	88.6	0.0001	FFF	100					

**\*Semi Quantitative Analysis of Soil**

**\*Semi Quantitative Analysis of Asbestos in Soil**

Date sample(s) received: 09/04/2024

Date sample(s) analysed: 15/04/2024

Lab ID	Sample ID	As received weight (g)	Dry weight (g)	Moisture (%)	Fraction size (mm)	Dry fraction weight (g)	Asbestos product weight (g)	Asbestos product type	Percentage of asbestos in product <sup>a</sup>	Total mass of Asbestos in sample <sup>b</sup>	Bonded Asbestos containing material in sample (% w/w) <sup>c</sup>	Asbestos as FA (% w/w) <sup>d</sup>	Asbestos as AF (% w/w) <sup>e</sup>	Total Fibrous Asbestos + Asbestos Fines (Friable) (% w/w) <sup>f</sup>
11	V11	861.3	566.2	34.2	(>10mm) Fraction	159.3	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	299.4	-	NAD	-					
					(<2mm) Fraction	107.5	-	NAD	-					

### Analysis Method:

Samples submitted have been analysed to determine the mass fraction of asbestos in soil using low powered stereo microscopy followed by polarised light microscopy (PLM) including dispersion staining techniques as documented in (AS 4964-2004), Method for the qualitative identification of asbestos in bulk samples, BRANZ, New Zealand Guidelines for Assessing and Managing Asbestos in Soils:2017 and (TP 04) our internal method Technical Procedure for Qualitative and Semi Qualitative analysis of asbestos in soil.

### Product Identification Key:

BTP	Bituminous Product	LSE	Loose Fill Insulation
CMP	Cement Product	NAD	No Asbestos Detected
COM	Composite	PPR	Paper Product
FFF	Free Fibres	RPL	Reinforced Plastics
FIB	Fibre Board	TXC	Textured Coating
GCP	Gaskets (compressed)	VNP	Vinyl Products
GRW	Gaskets (rope/woven)	VPP	Vinyl with paper backing
INB	Insulating Board	WVP	Woven Product

### Interpretation of Key:

<sup>a</sup> Percentage of Asbestos in product is adopted from HSG 264 - 2012, Asbestos the survey guide, Appendix 2, ACMS in buildings and categorized in our internal Technical Procedure (TP04) for Qualitative and Semi-Quantitative analysis of asbestos in soil. A dash (-) denotes that there was no asbestos found in that fraction.

<sup>b</sup> Total Mass of Asbestos is the sum mass of asbestos-by-asbestos type in product type(<sup>a</sup>) plus the mass of free fibre asbestos. A dash (-) denotes that there was no total mass of asbestos calculated asbestos found in that fraction.

<sup>c</sup> Bonded Asbestos Containing Material in the greater than 10mm fraction as percentage of the total sample (% w/w). A dash (-) denotes that there was no bonded asbestos containing materials found in that fraction.

<sup>d</sup> Asbestos as Fibrous Asbestos (FA) in greater than 10mm fraction as percentage of total sample (% w/w).

<sup>e</sup> Asbestos as Asbestos Fines (AF) in less than 10mm fraction as a percentage of total sample (% w/w).

<sup>f</sup> Total Friable Asbestos combining Fibrous Asbestos and Asbestos Fines as the percentage weight for weight of the total sample (% w/w).

**Sample Retention:** Hold soil samples will only be stored for one month from date of receipt.

**Analyst Name:** Elsie Xu

**Analyst Signature:**



**Reviewed By KTP:** Colin Wang

**Reviewer Signature:**





## Semi Quantitative Analysis of Soil

**Client:** Fraser Thomas LTD  
**Contact:** Elliot Bish  
**Tel:** 021 225 4572  
**Email:** ebish@ftl.co.nz  
**Address:** 21 El Kobar Drive

Eurofins | Focus  
 Unit C1, 4 Pacific Rise  
 Mount Wellington  
 Auckland 1060  
 Tel: +64 (0) 9 525 0568

Site: : 33041

Date sample(s)  
 received: 10/05/2024

Date sample(s) analysed: 15/05/2024

Samples taken  
 by: EB/BLM

Certificate / Job Number: Q-00768/33041

### Qualitative Analysis of Asbestos

Lab ID	Sample ID	Sample Details	Sample Weight (g) (as received)	Fibres Identified
1	R2V1	-	632	ORF, NAD
2	R2V2	-	566	ORF, NAD
3	R2V3	-	690	ORF, NAD
4	R2V4	-	555	ORF, NAD
5	R2V5	-	738	ORF, NAD
6	R2V6	-	711	ORF, NAD
7	R2V7	-	649	ORF, NAD
8	R2V8	-	602	ORF, NAD
9	R2V9	-	510	ORF, NAD
10	R2V10	-	688	ORF, NAD

#### Fibre Identification Key:

CHR – Chrysotile (White Asbestos)      ORF – Organic Fibre  
 AMO – Amosite (Brown / Grey Asbestos)      SMF – Synthetic Mineral Fibre  
 CRO – Crocidolite – (Blue Asbestos)      NFD – No Fibres Detected  
 UMF – Unknown Mineral Fibre      NAD – No Asbestos Detected

#### Scope of Accreditation:

1. The analytical comments marked (\*) stated in the semi-quantitative analysis and the calculations in the semi-quantitative analysis of asbestos in soil are beyond Eurofins | Focus scope of accreditation.
2. The laboratory is not responsible for sampling errors when we have not taken the sample.
3. This certificate should be read in its entirety and shall not be reproduced except in full, without written approval of the laboratory.

**\*Semi Quantitative Analysis of Soil**

**\*Semi Quantitative Analysis of Asbestos in Soil**

Date sample(s) received: 10/05/2024

Date sample(s) analysed: 15/05/2024

Lab ID	Sample ID	As received weight (g)	Dry weight (g)	Moisture (%)	Fraction size (mm)	Dry fraction weight (g)	Asbestos product weight (g)	Asbestos product type	Percentage of asbestos in product <sup>a</sup>	Total mass of Asbestos in sample <sup>b</sup>	Bonded Asbestos containing material in sample (% w/w) <sup>c</sup>	Asbestos as FA (% w/w) <sup>d</sup>	Asbestos as AF (% w/w) <sup>e</sup>	Total Fibrous Asbestos + Asbestos Fines (Friable) (% w/w) <sup>f</sup>
1	R2V1	631.6	463.7	26.5	(>10mm) Fraction	55.0	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	261.8	-	NAD	-					
					(<2mm) Fraction	146.9	-	NAD	-					
2	R2V2	566.1	392.1	30.7	(>10mm) Fraction	27.9	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	235.8	-	NAD	-					
					(<2mm) Fraction	128.4	-	NAD	-					
3	R2V3	690.0	491.8	28.7	(>10mm) Fraction	63.1	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	295.5	-	NAD	-					
					(<2mm) Fraction	133.2	-	NAD	-					
4	R2V4	554.6	390.6	29.5	(>10mm) Fraction	0.0	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	294.4	-	NAD	-					
					(<2mm) Fraction	96.2	-	NAD	-					
5	R2V5	737.5	547.1	25.8	(>10mm) Fraction	68.4	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	345.1	-	NAD	-					
					(<2mm) Fraction	133.6	-	NAD	-					

**\*Semi Quantitative Analysis of Soil**

**\*Semi Quantitative Analysis of Asbestos in Soil**

Date sample(s) received: 10/05/2024

Date sample(s) analysed: 15/05/2024

Lab ID	Sample ID	As received weight (g)	Dry weight (g)	Moisture (%)	Fraction size (mm)	Dry fraction weight (g)	Asbestos product weight (g)	Asbestos product type	Percentage of asbestos in product <sup>a</sup>	Total mass of Asbestos in sample <sup>b</sup>	Bonded Asbestos containing material in sample (% w/w) <sup>c</sup>	Asbestos as FA (% w/w) <sup>d</sup>	Asbestos as AF (% w/w) <sup>e</sup>	Total Fibrous Asbestos + Asbestos Fines (Friable) (% w/w) <sup>f</sup>
6	R2V6	710.7	490.2	31.0	(>10mm) Fraction	0.0	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	353.4	-	NAD	-					
					(<2mm) Fraction	136.8	-	NAD	-					
7	R2V7	648.6	453.1	30.1	(>10mm) Fraction	29.8	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	295.3	-	NAD	-					
					(<2mm) Fraction	128.0	-	NAD	-					
8	R2V8	602.1	436.9	27.4	(>10mm) Fraction	34.2	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	304.8	-	NAD	-					
					(<2mm) Fraction	97.9	-	NAD	-					
9	R2V9	509.8	346.7	31.9	(>10mm) Fraction	75.2	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	202.0	-	NAD	-					
					(<2mm) Fraction	69.5	-	NAD	-					
10	R2V10	687.9	450.0	34.5	(>10mm) Fraction	29.4	-	NAD	-	-	-	<0.001	<0.001	<0.001
					(10-2mm) Fraction	276.7	-	NAD	-					
					(<2mm) Fraction	143.9	-	NAD	-					

### Analysis Method:

Samples submitted have been analysed to determine the mass fraction of asbestos in soil using low powered stereo microscopy followed by polarised light microscopy (PLM) including dispersion staining techniques as documented in (AS 4964-2004), Method for the qualitative identification of asbestos in bulk samples, BRANZ, New Zealand Guidelines for Assessing and Managing Asbestos in Soils:2017 and (TP 04) our internal method Technical Procedure for Qualitative and Semi Qualitative analysis of asbestos in soil.

### Product Identification Key:

BTP	Bituminous Product	LSE	Loose Fill Insulation
CMP	Cement Product	NAD	No Asbestos Detected
COM	Composite	PPR	Paper Product
FFF	Free Fibres	RPL	Reinforced Plastics
FIB	Fibre Board	TXC	Textured Coating
GCP	Gaskets (compressed)	VNP	Vinyl Products
GRW	Gaskets (rope/woven)	VPP	Vinyl with paper backing
INB	Insulating Board	WVP	Woven Product

### Interpretation of Key:

<sup>a</sup> Percentage of Asbestos in product is adopted from HSG 264 - 2012, Asbestos the survey guide, Appendix 2, ACMS in buildings and categorized in our internal Technical Procedure (TP04) for Qualitative and Semi-Quantitative analysis of asbestos in soil. A dash (-) denotes that there was no asbestos found in that fraction.

<sup>b</sup> Total Mass of Asbestos is the sum mass of asbestos-by-asbestos type in product type(<sup>a</sup>) plus the mass of free fibre asbestos. A dash (-) denotes that there was no total mass of asbestos calculated asbestos found in that fraction.

<sup>c</sup> Bonded Asbestos Containing Material in the greater than 10mm fraction as percentage of the total sample (% w/w). A dash (-) denotes that there was no bonded asbestos containing materials found in that fraction.

<sup>d</sup> Asbestos as Fibrous Asbestos (FA) in greater than 10mm fraction as percentage of total sample (% w/w).

<sup>e</sup> Asbestos as Asbestos Fines (AF) in less than 10mm fraction as a percentage of total sample (% w/w).

<sup>f</sup> Total Friable Asbestos combining Fibrous Asbestos and Asbestos Fines as the percentage weight for weight of the total sample (% w/w).

**Sample Retention:** Hold soil samples will only be stored for one month from date of receipt.

**Analyst Name:** Emily Wang

**Analyst Signature:** 

**Reviewed By KTP:** Vikram Pathania

**Reviewer Signature:** 

***Appendix D Disposal Dockets***  
***- 2023 Works***





### Envirofill South Cleanfill

Date: 01/03/2023  
Customer No: EC0000087880  
Customer Name: Lansdown & Wilson Co  
Limited T/A Albany  
Transport  
Contract Name: Albany Yard M4002  
Vehicle Registration: NMY81  
Time In: 01:12:53 pm  
Time Out: 01:47:17 pm  
Weighing Docket No: WB00997707  
Purchase Order:  
Weigh Comments: A

Gross	Tare	Unit
48.02	17.86	Tonnes

Product	Net
infill	30.16

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



### Envirofill South Cleanfill

Date: 01/03/2023  
Customer No: EC0000087880  
Customer Name: Lansdown & Wilson Co  
Limited T/A Albany  
Transport  
Contract Name: Albany Yard M4002  
Vehicle Registration: NMY81  
Time In: 09:06:07 am  
Time Out: 09:49:58 am  
Weighing Docket No: WB00999337  
Purchase Order:  
Weigh Comments: a

Gross	Tare	Unit
44.20	17.96	Tonnes

Product	Net
infill	26.24

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



### Hampton Parre Landfill

Date: 02/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: B9C470  
Time In: 09:11:43 am  
Time Out: 10:58:38 am  
Weighing Docket No: WB00999400  
Purchase Order: P2047116  
Weigh Comments:

Gross	Tare	Unit
42.70	14.86	Tonnes

Product	Net
- Contaminated	27.82

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



### Envirofill South Cleanfill

Date: 02/03/2023  
Customer No: EC0000087880  
Customer Name: Lansdown & Wilson Co  
Limited T/A Albany  
Transport  
Contract Name: Albany Yard M4002  
Vehicle Registration: NMY81  
Time In: 06:38:35 am  
Time Out: 06:38:35 am  
Weighing Docket No: WB00998891  
Purchase Order:  
Weigh Comments: A

Gross	Tare	Unit
46.68	18.12	Tonnes

Product	Net
infill	28.56

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 02/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: JKP472  
Time In: 08:46:27 am  
Time Out: 10:12:08 am  
Weighing Docket No: WB01000588  
Purchase Order: P2047116  
Weigh Comments: ETL

Gross	Tare	Unit
47.92	16.36	Tonnes

Product	Net
Soil - Contaminated	31.56

If you have any questions regarding this docket, please  
email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 02/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: BSC470  
Time In: 01:05:52 pm  
Time Out: 02:43:34 pm  
Weighing Docket No: WB11000710  
Purchase Order: P2047116  
Weigh Comments:

Gross	Tare	Unit
45.72	14.82	Tonnes

Product	Net
Soil - Contaminated	30.90

If you have any questions regarding this docket, please  
email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 02/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: NLK590  
Time In: 12:53:36 pm  
Time Out: 01:59:04 pm  
Weighing Docket No: WB01000588  
Purchase Order: P2047116  
Weigh Comments:

Gross	Tare	Unit
44.62	16.92	Tonnes

Product	Net
Soil - Contaminated	27.70

If you have any questions regarding this docket, please  
email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 02/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: JKP472  
Time In: 12:38:34 pm  
Time Out: 01:40:23 pm  
Weighing Docket No: WB01000592  
Purchase Order: P2047116  
Weigh Comments: ETL

Gross	Tare	Unit
41.80	16.2	Tonnes

Product	Net
Soil - Contaminated	25.60

If you have any questions regarding this docket, please  
email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



**Hampton Parrc Landfill**

Date: 02/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Contract Name: Limited  
Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: NMY81  
Time In: 08:57:27 am  
Time Out: 10:31:22 am  
Weighing Docket No: WB00999334  
Purchase Order: P2047116  
Weigh Comments:

Gross	Tare	Unit
48.34	18.02	Tonnes

Product	Net
Soil - Contaminated	30.32

If you have any questions regarding this docket, please  
email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 02/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Contract Name: Limited  
Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: NMY81  
Time In: 02:40:39 pm  
Time Out: 03:30:49 pm  
Weighing Docket No: WB01001316  
Purchase Order: P2047116  
Weigh Comments: DEMPSEY WOOD

Gross	Tare	Unit
46.12	17.96	Tonnes

Product	Net
Soil - Contaminated	28.16

If you have any questions regarding this docket, please  
email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 02/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Contract Name: Limited  
Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: NSA300  
Time In: 12:32:37 pm  
Time Out: 01:52:46 pm  
Weighing Docket No: WB01000550  
Purchase Order: P2047116  
Weigh Comments: Franklin blns

Gross	Tare	Unit
51.48	18.24	Tonnes

Product	Net
Soil - Contaminated	33.24

If you have any questions regarding this docket, please  
email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 02/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Contract Name: Limited  
Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: NSA300  
Time In: 09:17:56 am  
Time Out: 10:33:48 am  
Weighing Docket No: WB00999428  
Purchase Order: P2047116  
Weigh Comments: Franklin blns

Gross	Tare	Unit
53.26	18.44	Tonnes

Product	Net
Soil - Contaminated	34.82

If you have any questions regarding this docket, please  
email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



### Hampton Parrc Landfill

Date: 02/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: NLK590  
Time In: 09:16:36 am  
Time Out: 10:25:40 am  
Weighing Docket No: WB00999418  
Purchase Order: P2047116  
Weigh Comments: MSC

Gross	Tare	Unit
44.26	17.04	Tonnes

Product	Net
Soil - Contaminated	27.22

If you have any questions regarding this docket, please  
email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



### Envirofill South Cleanfill

Date: 09/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: 62-80 Papakura Clevedon Road - Clevedon M4012  
Vehicle Registration: NLK590  
Time In: 01:17:55 pm  
Time Out: 01:49:30 pm  
Weighing Docket No: WB01021600  
Purchase Order: P2047116  
Weigh Comments: a

Gross	Tare	Unit
42.90	16.68	Tonnes

Product	Net
Managed Fill	26.22

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



### Envirofill South Cleanfill

Date: 09/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: 62-80 Papakura Clevedon Road - Clevedon M4012  
Vehicle Registration: NMY81  
Time In: 11:31:48 am  
Time Out: 11:50:36 am  
Weighing Docket No: WB01020964  
Purchase Order: P2047116  
Weigh Comments: a

Gross	Tare	Unit
47.22	17.92	Tonnes

Product	Net
Managed Fill	29.30

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



### Envirofill South Cleanfill

Date: 09/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: 62-80 Papakura Clevedon Road - Clevedon M4012  
Vehicle Registration: NMY81  
Time In: 01:51:59 pm  
Time Out: 02:32:39 pm  
Weighing Docket No: WB01021794  
Purchase Order: P2047116  
Weigh Comments: a

Gross	Tare	Unit
44.40	18.04	Tonnes

Product	Net
Managed Fill	26.36

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



### Envirofill South Cleanfill

Date: 09/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: 62-80 Papakura Clevedon Road - Clevedon M4012  
Vehicle Registration: NNP467  
Time In: 01:27:49 pm  
Time Out: 01:47:27 pm  
Weighing Docket No: WB01021657  
Purchase Order: P2047116  
Weigh Comments: a

Gross	Tare	Unit
40.66	18.52	Tonnes

Product	Net
Managed Fill	22.14

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)





### Envirofill South Cleanfill

Date: 01/03/2023  
Customer No: EC0000087880  
Customer Name: Lansdown & Wilson Co  
Limited T/A Albany  
Transport  
Contract Name: Albany Yard M4002  
Vehicle Registration: NMY81  
Time In: 01:12:53 pm  
Time Out: 01:47:17 pm  
Weighing Docket No: WB00997707  
Purchase Order:  
Weigh Comments: A

Gross	Tare	Unit
48.02	17.86	Tonnes

Product	Net
infill	30.16

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



### Envirofill South Cleanfill

Date: 01/03/2023  
Customer No: EC0000087880  
Customer Name: Lansdown & Wilson Co  
Limited T/A Albany  
Transport  
Contract Name: Albany Yard M4002  
Vehicle Registration: NMY81  
Time In: 09:06:07 am  
Time Out: 09:49:58 am  
Weighing Docket No: WB00999337  
Purchase Order:  
Weigh Comments: a

Gross	Tare	Unit
44.20	17.96	Tonnes

Product	Net
infill	26.24

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



### Hampton Parre Landfill

Date: 02/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: B9C470  
Time In: 09:11:43 am  
Time Out: 10:58:38 am  
Weighing Docket No: WB00999400  
Purchase Order: P2047116  
Weigh Comments:

Gross	Tare	Unit
42.70	14.86	Tonnes

Product	Net
- Contaminated	27.82

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



### Envirofill South Cleanfill

Date: 02/03/2023  
Customer No: EC0000087880  
Customer Name: Lansdown & Wilson Co  
Limited T/A Albany  
Transport  
Contract Name: Albany Yard M4002  
Vehicle Registration: NMY81  
Time In: 06:38:35 am  
Time Out: 06:38:35 am  
Weighing Docket No: WB00998891  
Purchase Order:  
Weigh Comments: A

Gross	Tare	Unit
46.68	18.12	Tonnes

Product	Net
infill	28.56

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 02/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: JKP472  
Time In: 08:46:27 am  
Time Out: 10:12:08 am  
Weighing Docket No: WB01000588  
Purchase Order: P2047116  
Weigh Comments: ETL

Gross	Tare	Unit
47.92	16.36	Tonnes

Product	Net
Soil - Contaminated	31.56

If you have any questions regarding this docket, please  
email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 02/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: BSC470  
Time In: 01:05:52 pm  
Time Out: 02:43:34 pm  
Weighing Docket No: WB11000710  
Purchase Order: P2047116  
Weigh Comments:

Gross	Tare	Unit
45.72	14.82	Tonnes

Product	Net
Soil - Contaminated	30.90

If you have any questions regarding this docket, please  
email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 02/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: NLK590  
Time In: 12:53:36 pm  
Time Out: 01:59:04 pm  
Weighing Docket No: WB01000588  
Purchase Order: P2047116  
Weigh Comments:

Gross	Tare	Unit
44.62	16.92	Tonnes

Product	Net
Soil - Contaminated	27.70

If you have any questions regarding this docket, please  
email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 02/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: JKP472  
Time In: 12:38:34 pm  
Time Out: 01:40:23 pm  
Weighing Docket No: WB01000592  
Purchase Order: P2047116  
Weigh Comments: ETL

Gross	Tare	Unit
41.80	16.2	Tonnes

Product	Net
Soil - Contaminated	25.60

If you have any questions regarding this docket, please  
email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



**Hampton Parrc Landfill**

Date: 02/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Contract Name: Limited  
Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: NMY81  
Time In: 08:57:27 am  
Time Out: 10:31:22 am  
Weighing Docket No: WB00999334  
Purchase Order: P2047116  
Weigh Comments:

Gross	Tare	Unit
48.34	18.02	Tonnes

Product	Net
Soil - Contaminated	30.32

If you have any questions regarding this docket, please  
email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 02/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Contract Name: Limited  
Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: NMY81  
Time In: 02:40:39 pm  
Time Out: 03:30:49 pm  
Weighing Docket No: WB01001316  
Purchase Order: P2047116  
Weigh Comments: DEMPSEY WOOD

Gross	Tare	Unit
46.12	17.96	Tonnes

Product	Net
Soil - Contaminated	28.16

If you have any questions regarding this docket, please  
email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 02/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Contract Name: Limited  
Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: NSA300  
Time In: 12:32:37 pm  
Time Out: 01:52:46 pm  
Weighing Docket No: WB01000550  
Purchase Order: P2047116  
Weigh Comments: Franklin blns

Gross	Tare	Unit
51.48	18.24	Tonnes

Product	Net
Soil - Contaminated	33.24

If you have any questions regarding this docket, please  
email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 02/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Contract Name: Limited  
Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: NSA300  
Time In: 09:17:56 am  
Time Out: 10:33:48 am  
Weighing Docket No: WB00999428  
Purchase Order: P2047116  
Weigh Comments: Franklin blns

Gross	Tare	Unit
53.26	18.44	Tonnes

Product	Net
Soil - Contaminated	34.82

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email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



### Hampton Parrc Landfill

Date: 02/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: NLK590  
Time In: 09:16:36 am  
Time Out: 10:25:40 am  
Weighing Docket No: WB00999418  
Purchase Order: P2047116  
Weigh Comments: MSC

Gross	Tare	Unit
44.26	17.04	Tonnes

Product	Net
Soil - Contaminated	27.22

If you have any questions regarding this docket, please  
email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 03/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: NNP467  
Time In: 02:51:42 pm  
Time Out: 03:33:52 pm  
Weighing Docket No: WB01004643  
Purchase Order: P2047116  
Weigh Comments: CORE CIVIL

Gross	Tare	Unit
42.12	18.32	Tonnes

Product	Net
Soil - Contaminated	23.80

If you have any questions regarding this docket, please  
email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 03/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: NNP467  
Time In: 11:33:38 am  
Time Out: 12:28:03 pm  
Weighing Docket No: WB01003425  
Purchase Order: P2047116  
Weigh Comments:

Gross	Tare	Unit
43.56	18.3	Tonnes

Product	Net
Soil - Contaminated	25.26

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email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 03/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: NMY81  
Time In: 03:04:10 pm  
Time Out: 03:37:34 pm  
Weighing Docket No: WB01004733  
Purchase Order: P2047116  
Weigh Comments:

Gross	Tare	Unit
40.38	18.04	Tonnes

Product	Net
Soil - Contaminated	22.34

If you have any questions regarding this docket, please  
email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 03/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: NMY81  
Time In: 11:22:58 am  
Time Out: 12:18:10 pm  
Weighing Docket No: WB01003366  
Purchase Order: P2047116  
Weigh Comments:

Gross	Tare	Unit
43.34	17.78	Tonnes

Product	Net
Soil - Contaminated	25.56

If you have any questions regarding this docket, please  
email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



<p><b>Brookby Quarries Ltd</b> Brookby, 148 Kinnora Rd PO Box 530-819 Shimshu, SW 2, Vancouver BC V6T 3Z3 GST# E703603</p> <p><b>Docket: 4800655</b></p> <p>Change To: DEM1 - DEMPSEY Order: P0507474-CLEVEDON/ROAD Destination: DRIVE SAFE Product: RUL OF RT BROWN KAWHAT - DEMPSEY WOOD Tare Wgt: 18.20 11.34 17 AM 17-AM Gross Wgt: 45.12 31.40 27 AM 17-AM Net Wgt: 26.92</p> <p>Delivery: Supply Only Printed: 11:42:37 AM 17/03/2023 Hauler's Signature:</p> <p>Receiver's Signature:</p> <p>Head Office: PO Box Beamsouth Ph: 538-5152 Fax: 538-5456 Driver Ownership and Responsibility For Total Gross Vehicle Weight</p>	<p><b>Brookby Quarries Ltd</b> Brookby, 148 Kinnora Rd PO Box 530-819 Shimshu, SW 2, Vancouver BC V6T 3Z3 GST# E703603</p> <p><b>Docket: 4800729</b></p> <p>Change To: DEM1 - DEMPSEY Order: P0507474-CLEVEDON/ROAD Destination: DRIVE SAFE Product: RUL OF RT BROWN KAWHAT - DEMPSEY WOOD Tare Wgt: 18.20 11.34 17 AM 17-AM Gross Wgt: 45.12 31.40 27 AM 17-AM Net Wgt: 27.30</p> <p>Delivery: Supply Only Printed: 12:00:34 PM 17/03/2023 Hauler's Signature:</p> <p>Receiver's Signature:</p> <p>Head Office: PO Box Beamsouth Ph: 538-5152 Fax: 538-5456 Driver Ownership and Responsibility For Total Gross Vehicle Weight</p>	<p><b>Brookby Quarries Ltd</b> Brookby, 148 Kinnora Rd PO Box 530-819 Shimshu, SW 2, Vancouver BC V6T 3Z3 GST# E703603</p> <p><b>Docket: 4800548</b></p> <p>Change To: DEM1 - DEMPSEY Order: P0507474-CLEVEDON/ROAD Destination: DRIVE SAFE Product: RUL OF RT BROWN KAWHAT - DEMPSEY WOOD Tare Wgt: 18.20 11.34 17 AM 17-AM Gross Wgt: 45.12 31.40 27 AM 17-AM Net Wgt: 26.92</p> <p>Delivery: Supply Only Printed: 1:52:35 PM 17/03/2023 Hauler's Signature:</p> <p>Receiver's Signature:</p> <p>Head Office: PO Box Beamsouth Ph: 538-5152 Fax: 538-5456 Driver Ownership and Responsibility For Total Gross Vehicle Weight</p>	<p><b>Brookby Quarries Ltd</b> Brookby, 148 Kinnora Rd PO Box 530-819 Shimshu, SW 2, Vancouver BC V6T 3Z3 GST# E703603</p> <p><b>Docket: 4795352</b></p> <p>Change To: DEM1 - DEMPSEY Order: P0507474-CLEVEDON/ROAD Destination: DRIVE SAFE Product: RUL OF RT BROWN KAWHAT - DEMPSEY WOOD Tare Wgt: 18.12 10.26 35 AM 29-AM Gross Wgt: 44.58 30.18 32 AM 29-AM Net Wgt: 30.05</p> <p>Delivery: Supply &amp; Deliver Printed: 11:16:21 AM 29/03/2023 Hauler's Signature:</p> <p>Receiver's Signature:</p> <p>Head Office: PO Box Beamsouth Ph: 538-5152 Fax: 538-5456 Driver Ownership and Responsibility For Total Gross Vehicle Weight</p>	<p><b>Brookby Quarries Ltd</b> Brookby, 148 Kinnora Rd PO Box 530-819 Shimshu, SW 2, Vancouver BC V6T 3Z3 GST# E703603</p> <p><b>Docket: 4794792</b></p> <p>Change To: DEM1 - DEMPSEY Order: P0507474-CLEVEDON/ROAD Destination: DRIVE SAFE Product: RUL OF RT BROWN KAWHAT - DEMPSEY WOOD Tare Wgt: 18.14 10.26 58 AM 29-AM Gross Wgt: 44.58 30.18 32 AM 29-AM Net Wgt: 26.84</p> <p>Delivery: Supply Only Printed: 10:16:21 AM 29/03/2023 Hauler's Signature:</p> <p>Receiver's Signature:</p> <p>Head Office: PO Box Beamsouth Ph: 538-5152 Fax: 538-5456 Driver Ownership and Responsibility For Total Gross Vehicle Weight</p>	<p><b>Brookby Quarries Ltd</b> Brookby, 148 Kinnora Rd PO Box 530-819 Shimshu, SW 2, Vancouver BC V6T 3Z3 GST# E703603</p> <p><b>Docket: 4794854</b></p> <p>Change To: DEM1 - DEMPSEY Order: P0507474-CLEVEDON/ROAD Destination: DRIVE SAFE Product: RUL OF RT BROWN KAWHAT - DEMPSEY WOOD Tare Wgt: 18.14 10.26 58 AM 29-AM Gross Wgt: 44.58 30.18 32 AM 29-AM Net Wgt: 27.56</p> <p>Delivery: Supply Only Printed: 10:16:21 AM 29/03/2023 Hauler's Signature:</p> <p>Receiver's Signature:</p> <p>Head Office: PO Box Beamsouth Ph: 538-5152 Fax: 538-5456 Driver Ownership and Responsibility For Total Gross Vehicle Weight</p>
<p><b>Brookby Quarries Ltd</b> Brookby, 148 Kinnora Rd PO Box 530-819 Shimshu, SW 2, Vancouver BC V6T 3Z3 GST# E703603</p> <p><b>Docket: 4794951</b></p> <p>Change To: DEM1 - DEMPSEY Order: P0507474-CLEVEDON/ROAD Destination: DRIVE SAFE Product: RUL OF RT BROWN KAWHAT - DEMPSEY WOOD Tare Wgt: 18.14 10.26 58 PM 29-AM Gross Wgt: 44.58 30.18 32 PM 29-AM Net Wgt: 27.28</p> <p>Delivery: Supply Only Printed: 1:07:53 PM 29/03/2023 Hauler's Signature:</p> <p>Receiver's Signature:</p> <p>Head Office: PO Box Beamsouth Ph: 538-5152 Fax: 538-5456 Driver Ownership and Responsibility For Total Gross Vehicle Weight</p>	<p><b>Brookby Quarries Ltd</b> Brookby, 148 Kinnora Rd PO Box 530-819 Shimshu, SW 2, Vancouver BC V6T 3Z3 GST# E703603</p> <p><b>Docket: 4795011</b></p> <p>Change To: DEM1 - DEMPSEY Order: P0507474-CLEVEDON/ROAD Destination: DRIVE SAFE Product: RUL OF RT BROWN KAWHAT - DEMPSEY WOOD Tare Wgt: 18.14 10.26 58 PM 29-AM Gross Wgt: 44.58 30.18 32 PM 29-AM Net Wgt: 27.46</p> <p>Delivery: Supply Only Printed: 2:30:51 PM 29/03/2023 Hauler's Signature:</p> <p>Receiver's Signature:</p> <p>Head Office: PO Box Beamsouth Ph: 538-5152 Fax: 538-5456 Driver Ownership and Responsibility For Total Gross Vehicle Weight</p>	<p><b>Brookby Quarries Ltd</b> Brookby, 148 Kinnora Rd PO Box 530-819 Shimshu, SW 2, Vancouver BC V6T 3Z3 GST# E703603</p> <p><b>Docket: 4795069</b></p> <p>Change To: DEM1 - DEMPSEY Order: P0507474-CLEVEDON/ROAD Destination: DRIVE SAFE Product: RUL OF RT BROWN KAWHAT - DEMPSEY WOOD Tare Wgt: 18.14 10.26 58 PM 29-AM Gross Wgt: 44.58 30.18 32 PM 29-AM Net Wgt: 27.32</p> <p>Delivery: Supply Only Printed: 2:29:23 PM 29/03/2023 Hauler's Signature:</p> <p>Receiver's Signature:</p> <p>Head Office: PO Box Beamsouth Ph: 538-5152 Fax: 538-5456 Driver Ownership and Responsibility For Total Gross Vehicle Weight</p>	<p><b>Brookby Quarries Ltd</b> Brookby, 148 Kinnora Rd PO Box 530-819 Shimshu, SW 2, Vancouver BC V6T 3Z3 GST# E703603</p> <p><b>Docket: 4795109</b></p> <p>Change To: DEM1 - DEMPSEY Order: P0507474-CLEVEDON/ROAD Destination: DRIVE SAFE Product: RUL OF RT BROWN KAWHAT - DEMPSEY WOOD Tare Wgt: 18.14 10.26 58 PM 29-AM Gross Wgt: 44.58 30.18 32 PM 29-AM Net Wgt: 27.16</p> <p>Delivery: Supply Only Printed: 4:44:21 PM 29/03/2023 Hauler's Signature:</p> <p>Receiver's Signature:</p> <p>Head Office: PO Box Beamsouth Ph: 538-5152 Fax: 538-5456 Driver Ownership and Responsibility For Total Gross Vehicle Weight</p>	<p><b>Brookby Quarries Ltd</b> Brookby, 148 Kinnora Rd PO Box 530-819 Shimshu, SW 2, Vancouver BC V6T 3Z3 GST# E703603</p> <p><b>Docket: 4795266</b></p> <p>Change To: DEM1 - DEMPSEY Order: P0507474-CLEVEDON/ROAD Destination: DRIVE SAFE Product: RUL OF RT BROWN KAWHAT - DEMPSEY WOOD Tare Wgt: 18.14 10.26 58 PM 31-AM Gross Wgt: 44.58 30.18 32 PM 31-AM Net Wgt: 29.82</p> <p>Delivery: Supply &amp; Deliver Printed: 11:00:38 AM 31/03/2023 Hauler's Signature:</p> <p>Receiver's Signature:</p> <p>Head Office: PO Box Beamsouth Ph: 538-5152 Fax: 538-5456 Driver Ownership and Responsibility For Total Gross Vehicle Weight</p>	<p><b>Brookby Quarries Ltd</b> Brookby, 148 Kinnora Rd PO Box 530-819 Shimshu, SW 2, Vancouver BC V6T 3Z3 GST# E703603</p> <p><b>Docket: 4795781</b></p> <p>Change To: DEM1 - DEMPSEY Order: P0507474-CLEVEDON/ROAD Destination: DRIVE SAFE Product: RUL OF RT BROWN KAWHAT - DEMPSEY WOOD Tare Wgt: 18.14 10.26 58 PM 31-AM Gross Wgt: 44.58 30.18 32 PM 31-AM Net Wgt: 29.82</p> <p>Delivery: Supply &amp; Deliver Printed: 10:11:38 AM 31/03/2023 Hauler's Signature:</p> <p>Receiver's Signature:</p> <p>Head Office: PO Box Beamsouth Ph: 538-5152 Fax: 538-5456 Driver Ownership and Responsibility For Total Gross Vehicle Weight</p>
<p><b>Brookby Quarries Ltd</b> Brookby, 148 Kinnora Rd PO Box 530-819 Shimshu, SW 2, Vancouver BC V6T 3Z3 GST</p>					

<b>Brooky Quarries Ltd</b> Brooky, 140 Kingsway Rd PH 28 520-8733 Smetham, BH 2, Walsingham PH 27 867 3233		<b>Brooky Quarries Ltd</b> Brooky, 140 Kingsway Rd PH 28 520-8733 Smetham, BH 2, Walsingham PH 27 867 3233		<b>Brooky Quarries Ltd</b> Brooky, 140 Kingsway Rd PH 28 520-8733 Smetham, BH 2, Walsingham PH 27 867 3233		<b>Brooky Quarries Ltd</b> Brooky, 140 Kingsway Rd PH 28 520-8733 Smetham, BH 2, Walsingham PH 27 867 3233	
Docket: 4797570 Change To: DEM1 - DEMPSEY Order: P0247914 CLEVERDON ROAD Destination: DRIVE SAFE Product: RUN OF PIT BROWN Vehicle: PLYMOUTH - DEMPSEY WOOD Tare Wgt: 16 74 3 37 26 PM 25-Apr Gross Wgt: 48 12 3 37 26 PM 25-Apr Net Wgt: 27.44 Delivery: Supply Only Printed: 3 18 43 PM 04/04/2003 Hauler's Signature: _____ Receiver's Signature: _____		Docket: 4797574 Change To: DEM1 - DEMPSEY Order: P0247914 CLEVERDON ROAD Destination: DRIVE SAFE Product: RUN OF PIT BROWN Vehicle: PLYMOUTH - DEMPSEY WOOD Tare Wgt: 16 74 3 36 59 AM 25-Apr Gross Wgt: 44 64 3 36 59 AM 25-Apr Net Wgt: 25.90 Delivery: Supply Only Printed: 4 48 34 AM 04/04/2003 Hauler's Signature: _____ Receiver's Signature: _____		Docket: 4797303 Change To: DEM1 - DEMPSEY Order: P0247914 CLEVERDON ROAD Destination: DRIVE SAFE Product: RUN OF PIT BROWN Vehicle: PLYMOUTH - DEMPSEY WOOD Tare Wgt: 16 74 4 41 32 AM 25-Apr Gross Wgt: 44 84 4 41 32 AM 25-Apr Net Wgt: 25.70 Delivery: Supply Only Printed: 6 50 41 AM 04/04/2003 Hauler's Signature: _____ Receiver's Signature: _____		Docket: 4797348 Change To: DEM1 - DEMPSEY Order: P0247914 CLEVERDON ROAD Destination: DRIVE SAFE Product: RUN OF PIT BROWN Vehicle: PLYMOUTH - DEMPSEY WOOD Tare Wgt: 16 74 3 42 18 AM 25-Apr Gross Wgt: 44 84 3 42 18 AM 25-Apr Net Wgt: 26.08 Delivery: Supply Only Printed: 11 58 02 AM 04/04/2003 Hauler's Signature: _____ Receiver's Signature: _____	
Head Office: PO Box Becclesham PH 28 5152 FAX 538 4448 Driver Ownership and Responsibility For Total Gross Vehicle Weight		Head Office: PO Box Becclesham PH 28 5152 FAX 538 4448 Driver Ownership and Responsibility For Total Gross Vehicle Weight		Head Office: PO Box Becclesham PH 28 5152 FAX 538 4448 Driver Ownership and Responsibility For Total Gross Vehicle Weight		Head Office: PO Box Becclesham PH 28 5152 FAX 538 4448 Driver Ownership and Responsibility For Total Gross Vehicle Weight	

<b>Brooky Quarries Ltd</b> Brooky, 140 Kingsway Rd PH 28 520-8733 Smetham, BH 2, Walsingham PH 27 867 3233		<b>Brooky Quarries Ltd</b> Brooky, 140 Kingsway Rd PH 28 520-8733 Smetham, BH 2, Walsingham PH 27 867 3233		<b>Brooky Quarries Ltd</b> Brooky, 140 Kingsway Rd PH 28 520-8733 Smetham, BH 2, Walsingham PH 27 867 3233		<b>Brooky Quarries Ltd</b> Brooky, 140 Kingsway Rd PH 28 520-8733 Smetham, BH 2, Walsingham PH 27 867 3233	
Docket: 4797575 Change To: DEM1 - DEMPSEY Order: P0247914 CLEVERDON ROAD Destination: DRIVE SAFE Product: RUN OF PIT BROWN Vehicle: PLYMOUTH - DEMPSEY WOOD Tare Wgt: 16 74 3 31 07 PM 25-Apr Gross Wgt: 44 74 3 31 07 PM 25-Apr Net Wgt: 26.00 Delivery: Supply Only Printed: 3 27 28 PM 04/04/2003 Hauler's Signature: _____ Receiver's Signature: _____		Docket: 4797581 Change To: DEM1 - DEMPSEY Order: P0247914 CLEVERDON ROAD Destination: DRIVE SAFE Product: RUN OF PIT BROWN Vehicle: PLYMOUTH - DEMPSEY WOOD Tare Wgt: 16 74 7 05 13 AM 25-Apr Gross Wgt: 44 74 7 05 13 AM 25-Apr Net Wgt: 26.00 Delivery: Supply Only Printed: 7 30 47 AM 04/04/2003 Hauler's Signature: _____ Receiver's Signature: _____		Docket: 4797522 Change To: DEM1 - DEMPSEY Order: P0247914 CLEVERDON ROAD Destination: DRIVE SAFE Product: RUN OF PIT BROWN Vehicle: PLYMOUTH - DEMPSEY WOOD Tare Wgt: 16 74 7 15 02 PM 25-Apr Gross Wgt: 44 82 7 15 02 PM 25-Apr Net Wgt: 26.16 Delivery: Supply Only Printed: 7 15 44 PM 04/04/2003 Hauler's Signature: _____ Receiver's Signature: _____		Docket: 4797452 Change To: DEM1 - DEMPSEY Order: P0247914 CLEVERDON ROAD Destination: DRIVE SAFE Product: RUN OF PIT BROWN Vehicle: PLYMOUTH - DEMPSEY WOOD Tare Wgt: 16 74 7 14 43 PM 25-Apr Gross Wgt: 44 85 7 14 43 PM 25-Apr Net Wgt: 25.94 Delivery: Supply Only Printed: 7 13 32 PM 04/04/2003 Hauler's Signature: _____ Receiver's Signature: _____	
Head Office: PO Box Becclesham PH 28 5152 FAX 538 4448 Driver Ownership and Responsibility For Total Gross Vehicle Weight		Head Office: PO Box Becclesham PH 28 5152 FAX 538 4448 Driver Ownership and Responsibility For Total Gross Vehicle Weight		Head Office: PO Box Becclesham PH 28 5152 FAX 538 4448 Driver Ownership and Responsibility For Total Gross Vehicle Weight		Head Office: PO Box Becclesham PH 28 5152 FAX 538 4448 Driver Ownership and Responsibility For Total Gross Vehicle Weight	

## Drainage Metal – 20/7

<p><b>Brookby Quarries Ltd</b> Brookby, 145 Kinnaird Rd, PO Box 532-8718 Brimbank, VIC 3, Melbourne VIC 307 807 3233</p> <p>001 # 4758536</p> <p><b>Docket : 4785336</b></p> <p>Change To DEM1 - DEMPSEY Order F0247014-CLEVELAND/NEARADON Destination DRIVE SAFE Product DRAINAGE 20T Vehicle J02260 - DEMPSEY WOOD</p> <p>Tare Wgt 15.14 12.10.13 PM 02-Mar Gross Wgt 22.58 12.25.23 PM 23-Jul Net Wgt 11.14</p> <p>Delivery Printed Supply Only 12.25.23 PM 23/07/2023</p> <p>Receiver's Signature</p> <p>Head Office PO Box Brimbank PO Box 532-8718 FAX 538-8456 Driver Ownership and Responsibility For Total Gross Vehicle Weight</p>	<p><b>Brookby Quarries Ltd</b> Brookby, 145 Kinnaird Rd, PO Box 532-8718 Brimbank, VIC 3, Melbourne VIC 307 807 3233</p> <p>001 # 4758549</p> <p><b>Docket : 4785449</b></p> <p>Change To DEM1 - DEMPSEY Order F0247014-CLEVELAND/NEARADON Destination DRIVE SAFE Product DRAINAGE 20T Vehicle J02260 - DEMPSEY WOOD</p> <p>Tare Wgt 16.14 8.58.31 AM 02-Mar Gross Wgt 45.20 7.35.42 AM 02-Mar Net Wgt 29.06</p> <p>Delivery Printed Supply Only 7.35.42 AM 20/07/2023</p> <p>Receiver's Signature</p> <p>Head Office PO Box Brimbank PO Box 532-8718 FAX 538-8456 Driver Ownership and Responsibility For Total Gross Vehicle Weight</p>	<p><b>Brookby Quarries Ltd</b> Brookby, 145 Kinnaird Rd, PO Box 532-8718 Brimbank, VIC 3, Melbourne VIC 307 807 3233</p> <p>001 # 4758553</p> <p><b>Docket : 4785499</b></p> <p>Change To DEM1 - DEMPSEY Order F0247014-CLEVELAND/NEARADON Destination DRIVE SAFE Product DRAINAGE 20T Vehicle J02260 - DEMPSEY WOOD</p> <p>Tare Wgt 16.14 8.31.38 AM 02-Mar Gross Wgt 44.72 8.42.01 AM 02-Mar Net Wgt 28.58</p> <p>Delivery Printed Supply Only 8.42.01 AM 20/07/2023</p> <p>Receiver's Signature</p> <p>Head Office PO Box Brimbank PO Box 532-8718 FAX 538-8456 Driver Ownership and Responsibility For Total Gross Vehicle Weight</p>	<p><b>Brookby Quarries Ltd</b> Brookby, 145 Kinnaird Rd, PO Box 532-8718 Brimbank, VIC 3, Melbourne VIC 307 807 3233</p> <p>001 # 4758554</p> <p><b>Docket : 4785533</b></p> <p>Change To DEM1 - DEMPSEY Order F0247014-CLEVELAND/NEARADON Destination DRIVE SAFE Product DRAINAGE 20T Vehicle J02260 - DEMPSEY WOOD</p> <p>Tare Wgt 16.14 8.16.51 AM 02-Mar Gross Wgt 44.64 9.25.55 AM 02-Mar Net Wgt 28.80</p> <p>Delivery Printed Supply Only 9.25.55 AM 20/07/2023</p> <p>Receiver's Signature</p> <p>Head Office PO Box Brimbank PO Box 532-8718 FAX 538-8456 Driver Ownership and Responsibility For Total Gross Vehicle Weight</p>	<p><b>Brookby Quarries Ltd</b> Brookby, 145 Kinnaird Rd, PO Box 532-8718 Brimbank, VIC 3, Melbourne VIC 307 807 3233</p> <p>001 # 4758555</p> <p><b>Docket : 4785549</b></p> <p>Change To DEM1 - DEMPSEY Order F0247014-CLEVELAND/NEARADON Destination DRIVE SAFE Product DRAINAGE 20T Vehicle J02260 - DEMPSEY WOOD</p> <p>Tare Wgt 16.14 10.05.25 AM 02-Mar Gross Wgt 44.58 10.10.13 AM 02-Mar Net Wgt 27.94</p> <p>Delivery Printed Supply Only 10.10.13 AM 20/07/2023</p> <p>Receiver's Signature</p> <p>Head Office PO Box Brimbank PO Box 532-8718 FAX 538-8456 Driver Ownership and Responsibility For Total Gross Vehicle Weight</p>
<p><b>Brookby Quarries Ltd</b> Brookby, 145 Kinnaird Rd, PO Box 532-8718 Brimbank, VIC 3, Melbourne VIC 307 807 3233</p> <p>001 # 4758569</p> <p><b>Docket : 4785679</b></p> <p>Change To DEM1 - DEMPSEY Order F0247014-CLEVELAND/NEARADON Destination DRIVE SAFE Product DRAINAGE 20T Vehicle J02260 - DEMPSEY WOOD</p> <p>Tare Wgt 16.14 12.10.39 PM 02-Mar Gross Wgt 24.16 12.24.23 PM 02-Mar Net Wgt 28.64</p> <p>Delivery Printed Supply Only 12.24.23 PM 20/07/2023</p> <p>Receiver's Signature</p> <p>Head Office PO Box Brimbank PO Box 532-8718 FAX 538-8456 Driver Ownership and Responsibility For Total Gross Vehicle Weight</p>	<p><b>Brookby Quarries Ltd</b> Brookby, 145 Kinnaird Rd, PO Box 532-8718 Brimbank, VIC 3, Melbourne VIC 307 807 3233</p> <p>001 # 4758572</p> <p><b>Docket : 4785723</b></p> <p>Change To DEM1 - DEMPSEY Order F0247014-CLEVELAND/NEARADON Destination DRIVE SAFE Product DRAINAGE 20T Vehicle J02260 - DEMPSEY WOOD</p> <p>Tare Wgt 16.14 12.59.18 PM 02-Mar Gross Wgt 45.20 1.10.06 PM 02-Mar Net Wgt 29.12</p> <p>Delivery Printed Supply Only 1.10.06 PM 20/07/2023</p> <p>Receiver's Signature</p> <p>Head Office PO Box Brimbank PO Box 532-8718 FAX 538-8456 Driver Ownership and Responsibility For Total Gross Vehicle Weight</p>	<p><b>Brookby Quarries Ltd</b> Brookby, 145 Kinnaird Rd, PO Box 532-8718 Brimbank, VIC 3, Melbourne VIC 307 807 3233</p> <p>001 # 4758575</p> <p><b>Docket : 4785758</b></p> <p>Change To DEM1 - DEMPSEY Order F0247014-CLEVELAND/NEARADON Destination DRIVE SAFE Product DRAINAGE 20T Vehicle J02260 - DEMPSEY WOOD</p> <p>Tare Wgt 16.14 1.47.08 PM 02-Mar Gross Wgt 46.06 2.03.07 PM 02-Mar Net Wgt 28.92</p> <p>Delivery Printed Supply Only 2.03.07 PM 20/07/2023</p> <p>Receiver's Signature</p> <p>Head Office PO Box Brimbank PO Box 532-8718 FAX 538-8456 Driver Ownership and Responsibility For Total Gross Vehicle Weight</p>	<p><b>Brookby Quarries Ltd</b> Brookby, 145 Kinnaird Rd, PO Box 532-8718 Brimbank, VIC 3, Melbourne VIC 307 807 3233</p> <p>001 # 4758585</p> <p><b>Docket : 4785805</b></p> <p>Change To DEM1 - DEMPSEY Order F0247014-CLEVELAND/NEARADON Destination DRIVE SAFE Product DRAINAGE 20T Vehicle J02260 - DEMPSEY WOOD</p> <p>Tare Wgt 16.14 3.36.58 PM 02-Mar Gross Wgt 45.10 2.53.11 PM 02-Mar Net Wgt 29.04</p> <p>Delivery Printed Supply Only 2.53.11 PM 20/07/2023</p> <p>Receiver's Signature</p> <p>Head Office PO Box Brimbank PO Box 532-8718 FAX 538-8456 Driver Ownership and Responsibility For Total Gross Vehicle Weight</p>	<p><b>Brookby Quarries Ltd</b> Brookby, 145 Kinnaird Rd, PO Box 532-8718 Brimbank, VIC 3, Melbourne VIC 307 807 3233</p> <p>001 # 4758586</p> <p><b>Docket : 4785611</b></p> <p>Change To DEM1 - DEMPSEY Order F0247014-CLEVELAND/NEARADON Destination DRIVE SAFE Product DRAINAGE 20T Vehicle J02260 - DEMPSEY WOOD</p> <p>Tare Wgt 16.14 10.54.23 AM 02-Mar Gross Wgt 45.48 11.05.13 AM 02-Mar Net Wgt 29.34</p> <p>Delivery Printed Supply Only 11.05.13 AM 20/07/2023</p> <p>Receiver's Signature</p> <p>Head Office PO Box Brimbank PO Box 532-8718 FAX 538-8456 Driver Ownership and Responsibility For Total Gross Vehicle Weight</p>



**Hampton Parrc Landfill**

Date: 03/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: BSC470  
Time In: 09:31:51 am  
Time Out: 09:51:33 am  
Weighing Docket No: WB01002638  
Purchase Order: P2047116  
Weigh Comments:

Gross	Tare	Unit
31.14	14.86	Tonnes

Product	Net
Soil - Contaminated	16.28

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**Hampton Parrc Landfill**

Date: 03/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: JKP472  
Time In: 03:36:20 pm  
Time Out: 03:54:42 pm  
Weighing Docket No: WB01004869  
Purchase Order: P2047116  
Weigh Comments: ETL

Gross	Tare	Unit
37.22	16.12	Tonnes

Product	Net
Soil - Contaminated	21.10

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**Hampton Parrc Landfill**

Date: 03/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: JKP472  
Time In: 12:48:31 pm  
Time Out: 01:33:49 pm  
Weighing Docket No: WB01003887  
Purchase Order: P2047116  
Weigh Comments: ETL

Gross	Tare	Unit
39.86	16.18	Tonnes

Product	Net
Soil - Contaminated	23.68

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**Hampton Parrc Landfill**

Date: 03/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: JKP472  
Time In: 09:35:47 am  
Time Out: 10:24:48 am  
Weighing Docket No: WB01002670  
Purchase Order: P2047116  
Weigh Comments:

Gross	Tare	Unit
38.20	16.26	Tonnes

Product	Net
Soil - Contaminated	21.94

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**Hampton Parrc Landfill**

Date: 03/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: NLK590  
Time In: 10:48:28 am  
Time Out: 11:10:18 am  
Weighing Docket No: WB01003129  
Purchase Order: P2047116  
Weigh Comments: MSC

Gross	Tare	Unit
40.82	16.78	Tonnes

Product	Net
Soil - Contaminated	24.04

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**Hampton Parrc Landfill**

Date: 03/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: JKP472  
Time In: 06:49:01 am  
Time Out: 07:33:23 am  
Weighing Docket No: WB01002010  
Purchase Order: P2047116  
Weigh Comments: ETL

Gross	Tare	Unit
44.20	16.26	Tonnes

Product	Net
Soil - Contaminated	27.94

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**Hampton Parrc Landfill**

Date: 03/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: NLK590  
Time In: 01:16:17 pm  
Time Out: 01:58:47 pm  
Weighing Docket No: WB01004050  
Purchase Order: P2047116  
Weigh Comments:

Gross	Tare	Unit
37.56	16.74	Tonnes

Product	Net
Soil - Contaminated	20.82

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**Hampton Parrc Landfill**

Date: 03/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: NLK590  
Time In: 07:26:52 am  
Time Out: 08:35:29 am  
Weighing Docket No: WB01002134  
Purchase Order: P2047116  
Weigh Comments: MSC

Gross	Tare	Unit
44.16	17.8	Tonnes

Product	Net
Soil - Contaminated	26.36

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**Hampton Parrc Landfill**

Date: 03/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: NNP467  
Time In: 08:44:19 am  
Time Out: 09:17:47 am  
Weighing Docket No: WB01002404  
Purchase Order: P2047116  
Weigh Comments: Core civil

Gross	Tare	Unit
39.44	18.36	Tonnes

Product	Net
Soil - Contaminated	21.08

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**Hampton Parrc Landfill**

Date: 03/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: NMY81  
Time In: 08:56:10 am  
Time Out: 09:30:45 am  
Weighing Docket No: WB01002457  
Purchase Order: P2047116  
Weigh Comments:

Gross	Tare	Unit
37.20	17.8	Tonnes

Product	Net
Soil - Contaminated	19.40

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**Hampton Parrc Landfill**

Date: 03/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: PMD793  
Time In: 08:30:48 am  
Time Out: 08:56:18 am  
Weighing Docket No: WB01002347  
Purchase Order: P2047116  
Weigh Comments: TEM

Gross	Tare	Unit
40.20	16.9	Tonnes

Product	Net
Soil - Contaminated	23.30

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**Hampton Parrc Landfill**

Date: 03/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: PMD793  
Time In: 10:55:48 am  
Time Out: 11:20:00 am  
Weighing Docket No: WB01003195  
Purchase Order: P2047116  
Weigh Comments: TEM

Gross	Tare	Unit
40.52	17.12	Tonnes

Product	Net
Soil - Contaminated	23.40

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### Hampton Parrc Landfill

Date: 03/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: NMY81  
Time In: 03:04:10 pm  
Time Out: 03:37:34 pm  
Weighing Docket No: WB01004733  
Purchase Order: P2047116  
Weigh Comments:

Gross	Tare	Unit
40.38	18.04	Tonnes

Product	Net
Soil - Contaminated	22.34

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please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



### Hampton Parrc Landfill

Date: 03/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: BSC470  
Time In: 12:13:36 pm  
Time Out: 12:40:30 pm  
Weighing Docket No: WB01003675  
Purchase Order: P2047116  
Weigh Comments:

Gross	Tare	Unit
41.56	14.82	Tonnes

Product	Net
Soil - Contaminated	26.74

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### Hampton Parrc Landfill

Date: 03/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: PMD793  
Time In: 01:18:33 pm  
Time Out: 01:55:53 pm  
Weighing Docket No: WB01004066  
Purchase Order: P2047116  
Weigh Comments: tem

Gross	Tare	Unit
40.14	17.08	Tonnes

Product	Net
Soil - Contaminated	23.06

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please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



### Hampton Parrc Landfill

Date: 03/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: NNP467  
Time In: 02:51:42 pm  
Time Out: 03:33:52 pm  
Weighing Docket No: WB01004643  
Purchase Order: P2047116  
Weigh Comments: CORE CIVIL

Gross	Tare	Unit
42.12	18.32	Tonnes

Product	Net
Soil - Contaminated	23.80

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please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



# EnviroWaste

## Hampton Parrc Landfill

Date: 03/03/2023  
 Customer No: EC0000051035  
 Customer Name: Dempsey Wood Civil  
 Contract Name: Clevedon Meadow  
 Subdivision M3041 PB4-  
 PB10 Areas (Lead)  
 JKP472

Vehicle Registration: 03:36:20 pm  
 Time In: 03:54:42 pm  
 Time Out: WB01004869  
 Weighing Docket No: P2047116  
 Purchase Order: ETL  
 High Comments:

Gross	Tare	Unit
22	16.12	Tonnes
Product	Net	
Soil - Contaminated	21.10	

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

# EnviroWaste

## Hampton Parrc Landfill

Date: 03/03/2023  
 Customer No: EC0000051035  
 Customer Name: Dempsey Wood Civil  
 Contract Name: Limited  
 Clevedon Meadow  
 Subdivision M3041 PB4-  
 PB10 Areas (Lead)  
 NNP467  
 Vehicle Registration: 11:33:38 am  
 Time In: 12:28:03 pm  
 Time Out: WB01003425  
 Weighing Docket No: P2047116  
 Purchase Order:  
 Weigh Comments:

Gross	Tare	Unit
43.56	18.30	Tonnes
Product	Net	
Soil - Contaminated	25.26	

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# EnviroWaste

## Hampton Parrc Landfill

Date: 03/03/2023  
 Customer No: EC0000051035  
 Customer Name: Dempsey Wood Civil  
 Contract Name: Limited  
 Clevedon Meadow  
 Subdivision M3041 PB4-  
 PB10 Areas (Lead)  
 NMY81  
 Vehicle Registration: 11:22:58 am  
 Time In: 12:18:10 pm  
 Time Out: WB01003366  
 Weighing Docket No: P2047116  
 Purchase Order:  
 Weigh Comments:

Gross	Tare	Unit
43.34	17.78	Tonnes
Product	Net	
Soil - Contaminated	25.56	

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**Hampton Parrc Landfill**

Date: 06/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: MJB742  
Time In: 11:17:06 am  
Time Out: 11:37:58 am  
Weighing Docket No: WB01011775  
Purchase Order: P2047116  
Weigh Comments: TEM

Gross	Tare	Unit
47.94	19.18	Tonnes

Product	Net
Soil - Contaminated	28.76

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email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 06/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: PFB424  
Time In: 03:42:27 pm  
Time Out: 04:14:53 pm  
Weighing Docket No: WB01013387  
Purchase Order: P2047116  
Weigh Comments:

Gross	Tare	Unit
41.80	18.4	Tonnes

Product	Net
Soil - Contaminated	23.40

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email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 06/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: MJB742  
Time In: 01:46:09 pm  
Time Out: 02:08:07 pm  
Weighing Docket No: WB01012719  
Purchase Order: P2047116  
Weigh Comments: TEM

Gross	Tare	Unit
47.54	18.56	Tonnes

Product	Net
Soil - Contaminated	28.98

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email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 06/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: MJB742  
Time In: 09:04:02 am  
Time Out: 09:25:42 am  
Weighing Docket No: WB01011115  
Purchase Order: P2047116  
Weigh Comments: TEM

Gross	Tare	Unit
47.36	18.52	Tonnes

Product	Net
Soil - Contaminated	28.84

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email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



**Hampton Parrc Landfill**

Date: 06/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: NLK590  
Time In: 01:35:22 pm  
Time Out: 01:59:54 pm  
Weighing Docket No: WB01012636  
Purchase Order: P2047116  
Weigh Comments: MSC

Gross	Tare	Unit
44.36	16.7	Tonnes

Product	Net
Soil - Contaminated	27.66

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**Hampton Parrc Landfill**

Date: 06/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: NLK590  
Time In: 10:51:59 am  
Time Out: 11:11:57 am  
Weighing Docket No: WB01011635  
Purchase Order: P2047116  
Weigh Comments: MSC

Gross	Tare	Unit
41.30	16.8	Tonnes

Product	Net
Soil - Contaminated	24.50

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**Hampton Parrc Landfill**

Date: 06/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: PFB424  
Time In: 09:37:38 am  
Time Out: 10:12:57 am  
Weighing Docket No: WB01011274  
Purchase Order: P2047116  
Weigh Comments:

Gross	Tare	Unit
42.00	18.5	Tonnes

Product	Net
Soil - Contaminated	23.50

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 06/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: NLK590  
Time In: 08:40:20 am  
Time Out: 09:04:50 am  
Weighing Docket No: WB01011030  
Purchase Order: P2047116  
Weigh Comments:

Gross	Tare	Unit
39.10	16.86	Tonnes

Product	Net
Soil - Contaminated	22.24

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)





### Hampton Parrc Landfill

Date: 06/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
PFB424  
Vehicle Registration: 12:07:49 pm  
Time In: 12:36:56 pm  
Time Out: WB01012106  
Weighing Docket No: P2047116  
Purchase Order:  
Weigh Comments:

Gross	Tare	Unit
42.80	18.46	Tonnes

Product	Net
Soil - Contaminated	24.34

If you have any questions regarding this docket, please  
email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



### Hampton Parrc Landfill

Date: 06/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
PFB424  
Vehicle Registration: 03:42:27 pm  
Time In: 04:14:53 pm  
Time Out: WB01013387  
Weighing Docket No: P2047116  
Purchase Order:  
Weigh Comments:

Gross	Tare	Unit
41.80	18.40	Tonnes

Product	Net
Soil - Contaminated	23.40

If you have any questions regarding this docket,  
please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 07/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: NNP467  
Time In: 03:27:03 pm  
Time Out: 03:53:17 pm  
Weighing Docket No: WB01016347  
Purchase Order: P2047116  
Weigh Comments: CORE CIVIL

Gross	Tare	Unit
44.82	18.52	Tonnes

Product	Net
Soil - Contaminated	26.30

If you have any questions regarding this docket, please  
email disposals@envirowaste.co.nz

**Hampton Parrc Landfill**

Date: 07/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: MJB742  
Time In: 11:52:57 am  
Time Out: 12:31:02 pm  
Weighing Docket No: WB01015108  
Purchase Order: P2047116  
Weigh Comments: TEM

Gross	Tare	Unit
50.58	19.06	Tonnes

Product	Net
Soil - Contaminated	31.52

If you have any questions regarding this docket, please  
email disposals@envirowaste.co.nz

**Hampton Parrc Landfill**

Date: 07/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: MJB742  
Time In: 09:26:38 am  
Time Out: 09:57:34 am  
Weighing Docket No: WB01014327  
Purchase Order: P2047116  
Weigh Comments: TEM

Gross	Tare	Unit
47.62	18.5	Tonnes

Product	Net
Soil - Contaminated	29.12

If you have any questions regarding this docket, please  
email disposals@envirowaste.co.nz

**Hampton Parrc Landfill**

Date: 07/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: NLK590  
Time In: 02:01:45 pm  
Time Out: 02:25:28 pm  
Weighing Docket No: WB01015854  
Purchase Order: P2047116  
Weigh Comments: MSC

Gross	Tare	Unit
41.42	16.52	Tonnes

Product	Net
Soil - Contaminated	24.90

If you have any questions regarding this docket, please  
email disposals@envirowaste.co.nz

**Hampton Parrc Landfill**

Date: 07/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: KET101  
Time In: 10:53:14 am  
Time Out: 11:26:33 am  
Weighing Docket No: WB01014720  
Purchase Order: P2047116  
Weigh Comments: shoreside contracting

Gross	Tare	Unit
41.66	17.14	Tonnes

Product	Net
Soil - Contaminated	24.52

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 07/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: NLK590  
Time In: 11:07:58 am  
Time Out: 11:33:37 am  
Weighing Docket No: WB01014813  
Purchase Order: P2047116  
Weigh Comments: MSC

Gross	Tare	Unit
46.32	16.58	Tonnes

Product	Net
Soil - Contaminated	29.74

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 07/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: KET101  
Time In: 01:53:01 pm  
Time Out: 02:21:16 pm  
Weighing Docket No: WB01015801  
Purchase Order: P2047116  
Weigh Comments: SHORESIDE CONTRACTING

Gross	Tare	Unit
40.14	17.08	Tonnes

Product	Net
Soil - Contaminated	23.06

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

**Hampton Parrc Landfill**

Date: 07/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil Limited  
Contract Name: Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
Vehicle Registration: NNP467  
Time In: 11:46:09 am  
Time Out: 12:29:52 pm  
Weighing Docket No: WB01015073  
Purchase Order: P2047116  
Weigh Comments: CORE CIVIL

Gross	Tare	Unit
49.20	18.22	Tonnes

Product	Net
Soil - Contaminated	30.98

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



## Hampton Parrc Landfill

**Date:** 07/03/2023  
**Customer No:** EC0000051035  
**Customer Name:** Dempsey Wood Civil Limited  
**Contract Name:** Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
**Vehicle Registration:** NLK590  
**Time In:** 06:55:26 am  
**Time Out:** 07:18:39 am  
**Weighing Docket No:** WB01013812  
**Purchase Order:** P2047116  
**Welgh Comments:** msc

Gross	Tare	Unit
44.52	16.94	Tonnes

Product	Net
Soil - Contaminated	27.58

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

## Hampton Parrc Landfill

**Date:** 07/03/2023  
**Customer No:** EC0000051035  
**Customer Name:** Dempsey Wood Civil Limited  
**Contract Name:** Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
**Vehicle Registration:** NMY81  
**Time In:** 02:06:31 pm  
**Time Out:** 02:38:37 pm  
**Weighing Docket No:** WB01015886  
**Purchase Order:** P2047116  
**Welgh Comments:**

Gross	Tare	Unit
46.18	17.86	Tonnes

Product	Net
Soil - Contaminated	28.32

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

## Hampton Parrc Landfill

**Date:** 07/03/2023  
**Customer No:** EC0000051035  
**Customer Name:** Dempsey Wood Civil Limited  
**Contract Name:** Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
**Vehicle Registration:** NMY81  
**Time In:** 11:20:56 am  
**Time Out:** 11:54:36 am  
**Weighing Docket No:** WB01014912  
**Purchase Order:** P2047116  
**Welgh Comments:**

Gross	Tare	Unit
45.78	17.92	Tonnes

Product	Net
Soil - Contaminated	27.86

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

## Hampton Parrc Landfill

**Date:** 07/03/2023  
**Customer No:** EC0000051035  
**Customer Name:** Dempsey Wood Civil Limited  
**Contract Name:** Clevedon Meadow Subdivision M3041 PB4-PB10 Areas (Lead)  
**Vehicle Registration:** MJB742  
**Time In:** 06:46:56 am  
**Time Out:** 07:12:58 am  
**Weighing Docket No:** WB01013795  
**Purchase Order:** P2047116  
**Welgh Comments:** tem

Gross	Tare	Unit
54.02	18.56	Tonnes

Product	Net
Soil - Contaminated	35.46

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



### Hampton Parrc Landfill

Date: 07/03/2023  
Customer No: EC0000051035  
Customer Name: Dempsey Wood Civil  
Limited  
Contract Name: Clevedon Meadow  
Subdivision M3041 PB4-  
PB10 Areas (Lead)  
Vehicle Registration: NMY81  
Time In: 08:40:50 am  
Time Out: 09:10:27 am  
Weighing Docket No: WB01014137  
Purchase Order: P2047116  
Weigh Comments:

Gross	Tare	Unit
45.98	17.76	Tonnes

Product	Net
Soil - Contaminated	28.22

If you have any questions regarding this docket, please  
email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)





3874

### Hampton Parrc Landfill

Date: 28/04/2023  
Customer No: EC0000089456  
Customer Name: Henderson Demolition Limited  
Contract Name: 58 Main Highway E M3002  
Vehicle Registration: KGH409  
Time In: 11:55:22 am  
Time Out: 12:15:57 pm  
Weighing Docket No: WB01150931  
Purchase Order:  
Weigh Comments: CLEVDON

Gross	Tare	Unit
17.88	9.22	Tonnes

Product	Net
Asbestos Soil	8.66

If you have any questions regarding this docket please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



3874 CLOVDON

### Hampton Parrc Landfill

Date: 17/03/2023  
Customer No: EC0000089456  
Customer Name: Henderson Demolition Limited  
Contract Name: Various Sites M3019  
Vehicle Registration: EDZ817  
Time In: 01:02:54 pm  
Time Out: 01:24:02 pm  
Weighing Docket No: WB01044688  
Purchase Order:  
Weigh Comments: Clendon

Gross	Tare	Unit
24.90	10.68	Tonnes

Product	Net
Asbestos - Concrete	14.22

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)



3874 CLOVDON

### Hampton Parrc Landfill

Date: 18/03/2023  
Customer No: EC0000089456  
Customer Name: Henderson Demolition Limited  
Contract Name:  
Vehicle Registration: EDZ817  
Time In: 09:10:25 am  
Time Out: 09:26:30 am  
Weighing Docket No: WB01045921  
Purchase Order:  
Weigh Comments:

Gross	Tare	Unit
18.04	10.64	Tonnes

Product	Net
Asbestos Soil	7.40

If you have any questions regarding this docket, please email [disposals@envirowaste.co.nz](mailto:disposals@envirowaste.co.nz)

### 62-80 Papakura-Clevedon Road - Disposal Dockets

Disposal Site	Docket #	Date	Vehicle Reg	Product				Tonnage	Comments
				Cleanfill	Managed	Landfill	Asbestos	Net (T)	
Envirofill South Cleanfill	WB00997707	1/03/2023	NMY81	x				30.16	Cleanfill
Envirofill South Cleanfill	WB00996337	1/03/2023	NMY81	x				26.24	Cleanfill
Envirofill South Cleanfill	WB00998891	2/03/2023	NMY81	x				28.56	Cleanfill
Envirowaste Hampton Parrc Landfill	WB00999400	2/03/2023	NMY81			x		27.82	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	N/A	2/03/2023	JKP472			x		31.56	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01000740	2/03/2023	BSC470			x		30.9	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01000668	2/03/2023	NLK590			x		27.70	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01000592	2/03/2023	JKP472			x		25.6	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB00999334	2/03/2023	NYM81			x		30.32	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01001316	2/03/2023	NYM81			x		28.16	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01000550	2/03/2023	NSA300			x		33.24	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB00999428	2/03/2023	NSA300			x		34.82	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB00999418	2/03/2023	NLK590			x		27.22	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01004643	3/03/2023	NNP467			x		23.8	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01003425	3/03/2023	NNP467			x		25.26	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01004733	3/03/2023	NMY81			x		22.34	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01003366	3/03/2023	NMY81			x		25.56	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01002538	3/03/2023	BSC470			x		16.28	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01004869	3/03/2023	JKP472			x		21.1	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01003887	3/03/2023	JKP472			x		16.18	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01002670	3/03/2023	JKP472			x		21.94	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01003129	3/03/2023	NLK590			x		24.04	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01002010	3/03/2023	JKP472			x		27.94	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01004050	3/03/2023	NLK590			x		20.82	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01002134	3/03/2023	NLK590			x		26.36	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01002404	3/03/2023	NNP467			x		21.08	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01002457	3/03/2023	NMY81			x		19.4	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01002347	3/03/2023	PMD793			x		23.3	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01003195	3/03/2023	PMD793			x		23.4	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01004733	3/03/2023	NMY81			x		22.34	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01003675	3/03/2023	BSC470			x		26.74	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01004066	3/03/2023	PMD793			x		23.06	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01004643	3/03/2023	NNP467			x		23.8	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01004869	3/03/2023	JKP472			x		21.1	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01003425	3/03/2023	NNP467			x		25.26	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01003366	3/03/2023	NMY81			x		25.56	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01011775	6/03/2023	MJB742			x		28.76	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01013387	6/03/2023	PFB424			x		23.4	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01012719	6/03/2023	MJB742			x		28.98	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01012719	6/03/2023	MJB742			x		28.84	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01012636	6/03/2023	NLK590			x		27.66	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01011635	6/03/2023	NLK590			x		24.5	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01011274	6/03/2023	PFB424			x		23.5	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01011030	6/03/2023	NLK590			x		22.24	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01012160	6/03/2023	PFB424			x		24.34	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01013387	6/03/2023	PFB424			x		23.4	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01016347	7/03/2023	NNP467			x		26.3	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01015108	7/03/2023	MJB742			x		31.52	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01014327	7/03/2023	MJB742			x		29.12	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01015854	7/03/2023	NLK590			x		24.9	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01014720	7/03/2023	KET101			x		24.52	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01014813	7/03/2023	NLK590			x		29.74	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01015801	7/03/2023	KET101			x		23.06	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01015073	7/03/2023	NNP467			x		30.98	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01013812	7/03/2023	NLK590			x		27.58	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01015886	7/03/2023	NMY81			x		28.32	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01014912	7/03/2023	NMY81			x		27.86	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01013795	7/03/2023	MJB742			x		35.46	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01014137	7/03/2023	NMY81			x		28.22	Soil - Contaminated
Envirofill South Cleanfill	WB01017480	8/03/2023	MJB742		x			36.94	Managed Fill
Envirowaste Hampton Parrc Landfill	WB01017100	8/03/2023	NLK590			x		18.62	Soil - Contaminated
Envirofill South Cleanfill	WB01018129	8/03/2023	NMY81		x			30.2	Managed Fill
Envirofill South Cleanfill	WB01018217	8/03/2023	MJB742		x			29.52	Managed Fill
Envirofill South Cleanfill	WB01018032	8/03/2023	NLK590		x			28.16	Managed Fill
Envirofill South Cleanfill	WB01018488	8/03/2023	NNP467		x			28.1	Managed Fill
Envirofill South Cleanfill	WB01019194	8/03/2023	NNP467		x			28.56	Managed Fill
Envirofill South Cleanfill	WB01018827	8/03/2023	MJB742		x			28.98	Managed Fill
Envirowaste Hampton Parrc Landfill	WB01016803	8/03/2023	NMY81			x		21.84	Soil - Contaminated
Envirofill South Cleanfill	WB01018878	8/03/2023	LNNY81		x			26	Managed Fill
Envirofill South Cleanfill	WB01018905	8/03/2023	NLK590		x			25.86	Managed Fill
Envirowaste Hampton Parrc Landfill	WB01017412	8/03/2023	NNP467			x		26.64	Soil - Contaminated
Envirowaste Hampton Parrc Landfill	WB01016761	8/03/2023	MJB742			x		26.68	Soil - Contaminated
Envirofill South Cleanfill	WB01021600	9/03/2023	NLK590		x			26.22	Managed Fill
Envirofill South Cleanfill	WB01020964	9/03/2023	NMY81		x			29.3	Managed Fill
Envirofill South Cleanfill	WB01021794	9/03/2023	NMY81		x			26.36	Managed Fill
Envirofill South Cleanfill	WB01021657	9/03/2023	NNP467		x			22.14	Managed Fill
Envirowaste Hampton Parrc Landfill	WB01044688	17/03/2023	EDZ817				x	14.22	Asbestos Concrete
Envirowaste Hampton Parrc Landfill	WB01045921	18/03/2023	EDZ817				x	7.4	Asbestos - Soils
Envirowaste Hampton Park Landfill	WB01150931	28/04/2023	KGH409				x	8.66	ACM Contaminated Soils
								2022.56	

***Appendix D Disposal Dockets -  
2024 ACM Pipe Removal Works***



Waste Disposal Services

Whitford Landfill

TAX INVOICE

GST Number : 62-686-626

Docket Number : 1734364

Date In : 07/05/2024 12:26:28

Date Out : 07/05/2024 12:40:32

Customer : Morecroft Contractors

Vehicle : NZW970

:

Product : Contaminated Soil Co

First Weight : 21,480 Kg

Second Weight : 10,900 Kg

Net Weight : 10,580 Kg

Check your details please.  
Thank you

*ACM → P/C Road.*



## Waste Disposal Services

Waste Disposal Services, an unincorporated JV between  
Waste Management NZ Limited and Auckland Council

GST: 62 686 626

Morecroft Contractors Ltd  
PO Box 300506  
Albany  
Auckland 0752

Customer Service No. Ph: 09 5308774

Account Enquiries No. Ph: 09 5309315

Invoice Date	19-Apr-24
Invoice Number	1042426
Customer Number	182488
Due Date	20-May-24

## TAX INVOICE


Docket	Transaction Date	Time	Vehicle Registration	Customer Order #	Description	Qty	Method	Net	Rate excl. GST	Extended Amount	GST Appl.
1730569	08/04/2024	1:22pm 1:47pm	XB4273		ASBESTOS CONTAMINATED - SOILS	3.160	KG	3,160.0000			*
Subtotal Item:								3,160.000	KG		

***Appendix E***  
***Imported Materials Laboratory Report -***  
***2023 Works***

## Run of pit Brown

[illegible]









[illegible]

Quarries Ltd  
 1981/1982 Ph 550-8150  
 1983/1984 Ph 577 567 5333  
 8706030  
 Ticket: 4766899  
 DEM1 - DEMPSEY  
 92547514-CLIVEDON ROAD  
 DAVE SAFE  
 BLN OF PIT BROW  
 019235 - DEMPSEY WOOD  
 11.18 8.27 16 AM 07-Mar  
 64.50 8.27 07 AM 07-Mar  
**26.32**  
 Bussey Only  
 8.37 07 AM YG32223  
 Signature  
 Signature  
 P.O. Box Bachwood  
 Ph 536-5122 FAX 536-4405  
 Membership and Responsibility  
 Cross Vehicle Weight

**Marries Ltd**  
 609-787-7771  
 609-787-7771  
**Tel: 478-7709**  
**1. DEMPSEY**  
 604-CLEVEDON AVE DON  
**VE SAFE**  
 OF THE GROUND  
 604-UNEMPLOYED IN DON  
 2:47:32 PM 06-Mar  
 3:02:37 PM 06-Mar  
**88**  
 Only Only  
 3:32 PM 06/03/02  


---

 PO Box Beachlands  
 604-712 Fax 538-6438  
 ing Responsibility  
 icke Allright?

**Brookby Quarries Ltd**  
 Units 756 Koroheke Rd P.O. Box 43318  
 Palmerston North 4640 New Zealand  
 Tel: 06 328 6001 Fax: 06 327 5233  
 Email: [info@brookby.co.nz](mailto:info@brookby.co.nz)

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**Docket : 4787427**  
**DEM1 - DEMPSEY**  
 12047412-CLEVELANDCONWAY  
**DRIVE SAFE**  
 1 RULE OF FIT BROWN  
 404042 - DEMPSEY WOOD  
 18/22 9:25 47 Al Di-Mar  
 45/54 9:37 21 A31 DB-Mar  
**27.62**  
 Supply Only  
 8/37 21 Am 803/2025  
 Supplier's Signature  
 Customer's Signature  
 Print Office PO Box 264000  
 PHN 0800 5152 FAX 030 8406

**Brookby Quarries Ltd**  
 146 Kimpsons Rd PH 08 530-6319  
 Email: Bro-2\_Warwarrup PH 08 887 3233  
 8728603

**Deckt : 4783783**

**DOM -1 DEMPSEY**  
 P2048903 - CLEVELDON  
**DRIVE SAFE**  
 RUN OF RT1 BROWN  
 KACOL - KOW CONTRACTORS  
 15 72 8 24 56 AM 24-Feb  
 45 50 8 24 56 AM 24-Feb  
**29.76**  
 Supply Only  
 8 24 56 AM 24/02/2003

Vendor's Signature  
 \_\_\_\_\_  
 Office PO Box Beachport 88

Grise Vehicle Wreath  
P2048954

Brooklyn Quarries Ltd  
Brooklyn 140 E. Main St. PH 00 530-8018  
Saratoga Sp 2, Main St. PH 00 677 3273  
6720820

Docket : 4784085  
DEM1 - DEMPSEY  
2048905 - CLEVELAND  
DRIVE SAFE  
RUN OF PT BROWN  
KAJLD - KNY CONTRACTORS  
15 12 21 50 PM 24-Feb  
45 16 25 53 PM 24-Feb  
29.34  
Supply Only  
2 25 53 PM 24/02/2022  
Signatures

Owner's Signature \_\_\_\_\_

Office PO Box Reschawen  
PH 538-5152 FAX 538-4856

Ownership and Responsibility  
(total Gross Vehicle Weight)

**P2046804**

[illegible]



1. **Introduction:** The study aims to investigate the impact of the COVID-19 pandemic on the mental health of healthcare workers in the United States.





***Appendix E***  
***Imported Materials Laboratory Report***  
***2024 ACM Pipe Removal Works***

## Brookby Quarries Ltd

Brookby: 146 Kimptons Rd PH 09 530-8319  
Smythes: SH 2, Maramura PH 07 867 3233

GST # : 67236203

### Docket : 4921311

Charge To	DEM1 - DEMPSEY
Order	P2064459 - CLEVEDON
Destination	DRIVE SAFE
Product	GAP 65
Vehicle	MZR551 - DEMPSEY WOOD
Tare Wgt	18.20 10:19:25 am 03-May
Gross Wgt	46.90 10:44:56 am 03-May
Net Wgt	<b>28.70</b>

Delivery	Supply Only
Printed	10:44:56 am 3/05/2024

Hauler's Signature:

Receiver's Signature:

Head Office PO Box Beachlands  
PH 536-5152 FAX 536-6456

**Driver Ownership and Responsibility  
For Total Gross Vehicle Weight**

## Brookby Quarries Ltd

Brookby: 146 Kimptons Rd PH 09 530-8319  
Smythes: SH 2, Maramura PH 07 867 3233

GST # : 67236203

### Docket : 4921326

Charge To	DEM1 - DEMPSEY
Order	P2064459 - CLEVEDON
Destination	DRIVE SAFE
Product	GAP 65
Vehicle	PUL801 - DEMPSEY WOOD
Tare Wgt	18.90 10:34:46 am 03-May
Gross Wgt	44.22 10:51:44 am 03-May
Net Wgt	<b>25.32</b>

Delivery	Supply Only
Printed	10:51:44 am 3/05/2024

Hauler's Signature:

Receiver's Signature:

Head Office PO Box Beachlands  
PH 536-5152 FAX 536-6456

**Driver Ownership and Responsibility  
For Total Gross Vehicle Weight**

## Brookby Quarries Ltd

Brookby: 146 Kimptons Rd PH 09 530-8319  
Smythes: SH 2, Maramura PH 07 867 3233

GST # : 67236203

### Docket : 4921394

Charge To	DEM1 - DEMPSEY
Order	P2064459 - CLEVEDON
Destination	DRIVE SAFE
Product	GAP 65
Vehicle	MZR551 - DEMPSEY WOOD
Tare Wgt	18.20 12:18:36 pm 03-May
Gross Wgt	47.46 12:28:57 pm 03-May
Net Wgt	<b>29.26</b>

Delivery	Supply Only
Printed	12:28:57 pm 3/05/2024

Hauler's Signature:

Receiver's Signature:

Head Office PO Box Beachlands  
PH 536-5152 FAX 536-6456

**Driver Ownership and Responsibility  
For Total Gross Vehicle Weight**