



Asbestos Management Survey

Location:

Quay National School, Creggs Rd,
Quignamanger, Ballina, Co. Mayo, F26
YX95

Surveyed On:

10 Oct 2025

Our Ref:

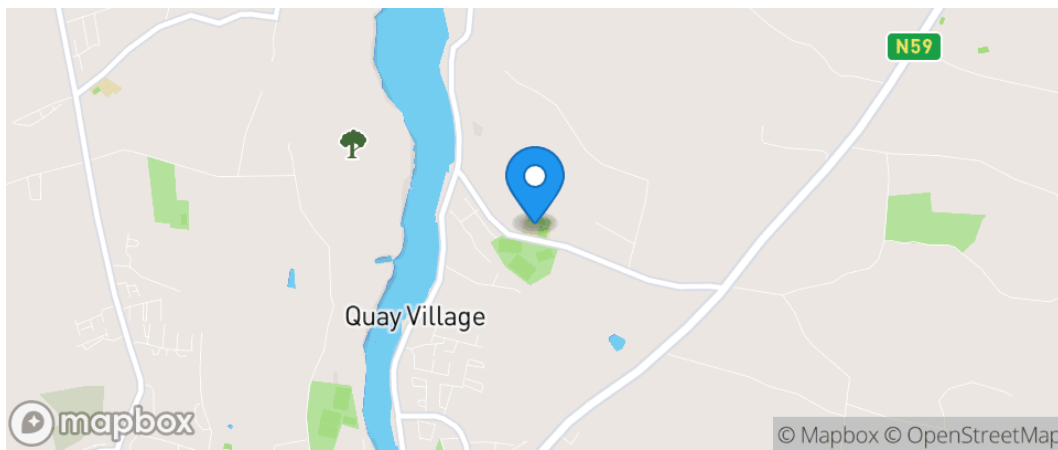
N2203354

Higgins Consultancy Ardrahan Ltd

higginsconsultancy1@gmail.com

Tonroe, Ardrahan, Galway

Report Details

Report By	Higgins Consultancy Ardrahan Ltd
Client	Simon Beale & Associates
Project	N2203354
Site Address	Quay National School, Creggs Rd, Quignamanger, Ballina, Co. Mayo, F26 YX95
Site Coordinates	54.1316867, -9.1302383
Site Location	
Site Description	Site is a National primary school located in Quignamanger, Ballina, Co. Mayo. The property consists of the original building on the right with cement roof sheeting and flat roof between sheeted roofs. There is a gymnasium building at the rear of the main school with a modern extension area perpendicular to the main school on the left.
Scope of Work	The scope of work included a surface level survey of the interior of the school with an invasive survey carried out on the roof of the main building. Excluded from the scope of works were all underground services.
Surveyors	Niall Higgins
Survey Dates	10 Oct 2025
QC Date	17 Oct 2025

Totals

An overview of the data collected on site, during the survey

Very Low	Low	Medium	High
1	3	5	0

Table of Contents

Sign Off	4
Introduction	4
Executive Summary	4
Variations to Scope	4
Summary of Asbestos-Containing Materials	5
Summary of Non-Asbestos-Containing Materials	6
Summary of Locations or Items of Limited Access	6
Register	7
Inspected Locations and Items	9
Inspection Photographs	11
Appendices	32
Floorplans	32
Bulk Sample Test Certificates	34
Types of Asbestos Survey	37
Material Assessment Scores	38
Asbestos Materials	39

Sign Off

Quality Control

Niall Higgins

17th Oct 2025



Introduction

This survey was conducted in accordance with **HSG 264 (Asbestos: The Survey Guide)**. Higgins Consultancy Ardahan Ltd cannot accept any liability for loss, injury, damage or penalty issues that arise for reasons of survey scope limitations. Higgins Consultancy Ardahan Ltd cannot be held responsible for asbestos potentially present in areas of the building not explicitly specified within the client instruction, not indicated on provided site plans or not physically possible to access. Higgins Consultancy Ardahan Ltd cannot be held responsible for any damage caused as part of this survey carried out on your behalf. Due to the nature and necessity of sampling for asbestos some damage is unavoidable and will be limited to that necessary for taking of the samples.

Executive Summary

Higgins Consultancy (Ardahan) Ltd. were instructed to carry out an Asbestos Management Survey to inspect for the presence of asbestos containing materials (ACM's) at Quay National School, Quignamanger, Ballina, Co. Mayo.

The cement sheeting located on roofs 1-7 were identify as asbestos containing materials. The bitumen felt located throughout the flat roof areas concealed under the asphalt external finish was identified as an asbestos containing material. The cement slates fascia located on the exterior of the gymnasium were identified as asbestos containing materials. The gaskets located in the boiler room were identified as asbestos containing materials.

Variations to Scope

All areas within scope were accessed during the survey

Summary of Asbestos-Containing Materials

These suspected materials were assessed as **asbestos-containing**.

Building / Level / Location	Item	Material	Material Score	Recommendation	Page
Main Building / External / Boiler House	Gaskets	Gasket seal	5 Low	Manage in situ. Removal by trained operatives is required if gaskets are to be disturbed or removed during any future works.	12
Main Building / External / External Fixtures	Bitumen Felt	Bituminous Product	4 Very Low	Manage in situ. Any works carried out to repair or remove current flat roof should be by trained operatives.	13
Main Building / External / External Fixtures (R1)	Cement sheeting	Cement	6 Low	Remove by trained operatives.	14
Main Building / External / External Fixtures (R2)	Cement sheeting	Cement	7 Medium	Remove by trained operatives.	16
Main Building / External / External Fixtures (R3)	Cement sheeting	Cement	7 Medium	Remove by trained operatives.	18
Main Building / External / External Fixtures (R4)	Cement sheeting	Cement	7 Medium	Remove by trained operatives.	20
Main Building / External / External Fixtures (R5)	Cement sheeting	Cement	7 Medium	Remove by trained operatives.	22
Main Building / External / External Fixtures (R6)	Fascia Slates	Cement	6 Low	Manage in situ for signs of deterioration	24

table continued from previous page...

Building / Level / Location	Item	Material	Material Score	Recommendation	Page
Main Building / External / Surrounding grounds	Cement sheeting Debris	Cement	7 Medium	Emergency environmental clean is required of immediate areas surrounding the school and flat roof areas to prevent further debris being displaced on to ground level surrounding areas.	25

Summary of Non-Asbestos-Containing Materials

These suspected materials were assessed as **non-asbestos-containing**.

Building / Level / Location	Item	Material	Page
Main Building / Ground Floor / Classrooms	Vinyl tiles	Vinyl tiles	26
Main Building / Ground Floor / Gymnasium	Vinyl tiles	Vinyl tiles	28
Main Building / Ground Floor / Hallways	Vinyl tiles	Vinyl tiles	30

Summary of Locations or Items of Limited Access

These locations or items could not be fully accessed during survey. Asbestos should be presumed to be present until a further assessment can be undertaken. Note that the survey scope may exclude other areas - see **Report Details (p. 2)** and **Variations to Scope (p. 4)**.

Building / Level / Location	Inspect	Access / Notes	Photo 1	Photo 2	Page
all locations and items were fully accessed					

Register

Building / Level / Location	Item	Material	Strategy / Sample Id	Extent	Fibre Type	Product Type	Extent of Damage	Surface Treatment	Material Score	Recommendation	Page
Main Building / External / Boiler House	Gaskets	Gasket seal	Sample S104	Approx 14 No. total	Chrysotile	2	1	1	5 Low	Manage in situ. Removal by trained operatives is required if gaskets are to be disturbed or removed during any future works.	12
Main Building / External / External Fixtures	Bitumen Felt	Bituminous Product	Sample S101	Approx 280 sq.m total	Chrysotile	1	1	1	4 Very Low	Manage in situ. Any works carried out to repair or remove current flat roof should be by trained operatives.	13
Main Building / External / External Fixtures (R1)	Cement sheeting	Cement	Sample S102	Approx 127 sq.m	Amosite and Chrysotile	1	2	1	6 Low	Remove by trained operatives.	14
Main Building / External / External Fixtures (R2)	Cement sheeting	Cement	Strongly Presume S102	Approx 395 sq.m (Roof 2&3)	Amosite and Chrysotile	1	3	1	7 Medium	Remove by trained operatives.	16
Main Building / External / External Fixtures (R3)	Cement sheeting	Cement	Strongly Presume S102	See Roof 2 extent for full extent	Amosite and Chrysotile	1	3	1	7 Medium	Remove by trained operatives.	18
Main Building / External / External Fixtures (R4)	Cement sheeting	Cement	Strongly Presume S102	Approx 395 sq.m (Roof 4&5)	Amosite and Chrysotile	1	3	1	7 Medium	Remove by trained operatives.	20
Main Building / External / External Fixtures (R5)	Cement sheeting	Cement	Strongly Presume S102	See Roof 4 extent for full extent	Amosite and Chrysotile	1	3	1	7 Medium	Remove by trained operatives.	22
Main Building / External / External Fixtures (R6)	Fascia Slates	Cement	Sample S103	Approx 90 sq.m total	Amosite and Chrysotile	1	2	1	6 Low	Manage in situ for signs of deterioration	24

table continued from previous page...

Building / Level / Location	Item	Material	Strategy / Sample Id	Extent	Fibre Type	Product Type	Extent of Damage	Surface Treatment	Material Score	Recommendation	Page
Main Building / External / Surrounding grounds	Cement sheeting Debris	Cement	Strongly Presume S102	N/A	Amosite and Chrysotile	1	3	1	7 Medium	Emergency environmental clean is required of immediate areas surrounding the school and flat roof areas to prevent further debris being displaced on to ground level surrounding areas.	25

Inspected Locations and Items

A summary of all locations and items inspected during the survey, including ACMs, non-ACMs and items & locations that could not be fully accessed.

Building / Level / Location	Item	Material	Access / Notes	Material Score	Recommendation	Page
Main Building / External / Boiler House	Gaskets	Gasket seal		5 Low	Manage in situ. Removal by trained operatives is required if gaskets are to be disturbed or removed during any future works.	12
Main Building / External / External Fixtures	Bitumen Felt	Bituminous Product		4 Very Low	Manage in situ. Any works carried out to repair or remove current flat roof should be by trained operatives.	13
Main Building / External / External Fixtures (R1)	Cement sheeting	Cement		6 Low	Remove by trained operatives.	14
Main Building / External / External Fixtures (R2)	Cement sheeting	Cement		7 Medium	Remove by trained operatives.	16
Main Building / External / External Fixtures (R3)	Cement sheeting	Cement		7 Medium	Remove by trained operatives.	18
Main Building / External / External Fixtures (R4)	Cement sheeting	Cement		7 Medium	Remove by trained operatives.	20
Main Building / External / External Fixtures (R5)	Cement sheeting	Cement		7 Medium	Remove by trained operatives.	22
Main Building / External / External Fixtures (R6)	Fascia Slates	Cement		6 Low	Manage in situ for signs of deterioration	24
Main Building / External / Surrounding grounds	Cement sheeting Debris	Cement		7 Medium	Emergency environmental clean is required of immediate areas surrounding the school and flat roof areas to prevent further debris being displaced on to ground level surrounding areas.	25

table continued from previous page...

Building / Level / Location	Item	Material	Access / Notes	Material Score	Recommendation	Page
Main Building / Ground Floor / Classrooms	Vinyl flooring over concrete subfloor. Solid walls throughout. Smooth plasterboard ceilings. Non ACM vinyl tiles located at the front of the room. All classrooms were not accessible on the day for invasive inspection. Classrooms are presumed to be of similar structure based on visual inspections.					27
Main Building / Ground Floor / Classrooms	Vinyl tiles	Vinyl tiles		0 None		26
Main Building / Ground Floor / Gymnasium	Timber flooring. Solid walls throughout. Metal deck roof ceiling. Side storage area with vinyl tiles on concrete subfloor (sample taken for analysis).					29
Main Building / Ground Floor / Gymnasium	Vinyl tiles	Vinyl tiles		0 None		28
Main Building / Ground Floor / Hallways	Vinyl tiles	Vinyl tiles		0 None		30
Main Building / Ground Floor / Small classrooms	Carpet flooring over concrete subfloor. Solid walls throughout. Smooth plasterboard ceilings. All classrooms were not accessible on the day for invasive inspection. Classrooms are presumed to be of similar structure based on visual inspections.					31

Inspection Photographs

*See following pages for additional photographs,
notes and scores for inspected locations and items...*

Main Building > External > Boiler House > Gaskets

Building	Main Building	Level	External
Location	Boiler House	Item	Gaskets
Material	Gasket seal	Extent	Approx 14 No. total
			
Strategy / Sample Id	Sample / S104	Fibre Type	Chrysotile
Recommendation	Manage in situ. Removal by trained operatives is required if gaskets are to be disturbed or removed during any future works.		

Material Assessment

Product Type (or Debris from Product)	2	Extent of Damage / Deterioration	1
Surface Type / Treatment	1	Asbestos Type	1
Material Score	5 / Low		

Main Building > External > External Fixtures > Bitumen Felt

Building	Main Building	Level	External
Location	External Fixtures	Item	Bitumen Felt
Material	Bituminous Product	Extent	Approx 280 sq.m total
			
Strategy / Sample Id	Sample / S101	Fibre Type	Chrysotile
Recommendation	Manage in situ. Any works carried out to repair or remove current flat roof should be by trained operatives.		
General Comments	Bitumen felt located on top of timber straw board and under new asphalt external finish.		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	1
Surface Type / Treatment	1	Asbestos Type	1
Material Score	4 / Very Low		

Main Building > External > External Fixtures (R1) > Cement sheeting

Building	Main Building	Level	External
Location	External Fixtures (R1)	Item	Cement sheeting
Material	Cement	Extent	Approx 127 sq.m
			
Strategy / Sample Id	Sample / S102	Fibre Type	Amosite and Chrysotile
Recommendation	Remove by trained operatives.		
General Comments	Numerous areas of severe deterioration of sheeting across the roof.		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	2
Surface Type / Treatment	1	Asbestos Type	2
Material Score	6 / Low		

Asbestos Cement Roof Algorithm

Assessment Parameter	Score	Examples of score variables
Material Solidity	1	The corners or the edges of the sheets break with a sharp sound using pinchers
	3	The corners or the edges of the sheets tend to bend or flake using pincers
	9	The corners or the edges bend or flake easily when manipulated by hand
Appearance of fibres	1	Enclosed bundles of fibres can be seen in the cement matrix using a magnifying glass
	3	Partially enclosed bundles of fibres can be seen in the cement matrix using a magnifying glass
	9	The layers of fibres seen using a magnifying glass are easily removable using tweezers
Flaking, cracks, breakages	1	Absent
	2	Not very frequent
	3	Numerous
Friable or pulverulent material in the gutter	1	Absent
	2	Scarce
	3	Substantial
Stalactites	1	Absent
	2	Small
	3	Substantial size
Total Sum	31	Judgment on state of roof: Roof is in poor condition throughout with numerous areas of deterioration exposing fibrous edges and large amounts of debris located on flat roof area. *This information should be considered alongside the asbestos data sheet on the previous page.

Main Building > External > External Fixtures (R2) > Cement sheeting

Building	Main Building	Level	External
Location	External Fixtures (R2)	Item	Cement sheeting
Material	Cement	Extent	Approx 395 sq.m (Roof 2&3)
			
Strategy / Sample Id	Strongly Presume / S102	Presumed Fibre Type	Amosite and Chrysotile
Recommendation	Remove by trained operatives.		
General Comments	Numerous areas of severe deterioration of sheeting across the roof.		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	3
Surface Type / Treatment	1	Asbestos Type	2
Material Score	7 / Medium		

Asbestos Cement Roof Algorithm

Assessment Parameter	Score	Examples of score variables
Material Solidity	1	The corners or the edges of the sheets break with a sharp sound using pinchers
	3	The corners or the edges of the sheets tend to bend or flake using pincers
	9	The corners or the edges bend or flake easily when manipulated by hand
Appearance of fibres	1	Enclosed bundles of fibres can be seen in the cement matrix using a magnifying glass
	3	Partially enclosed bundles of fibres can be seen in the cement matrix using a magnifying glass
	9	The layers of fibres seen using a magnifying glass are easily removable using tweezers
Flaking, cracks, breakages	1	Absent
	2	Not very frequent
	3	Numerous
Friable or pulverulent material in the gutter	1	Absent
	2	Scarce
	3	Substantial
Stalactites	1	Absent
	2	Small
	3	Substantial size
Total Sum	31	Judgment on state of roof: Roof is in poor condition throughout with numerous areas of deterioration exposing fibrous edges and large amounts of debris located on flat roof area. *This information should be considered alongside the asbestos data sheet on the previous page.

Main Building > External > External Fixtures (R3) > Cement sheeting

Building	Main Building	Level	External
Location	External Fixtures (R3)	Item	Cement sheeting
Material	Cement	Extent	See Roof 2 extent for full extent
			
Strategy / Sample Id	Strongly Presume / S102	Presumed Fibre Type	Amosite and Chrysotile
Recommendation	Remove by trained operatives.		
General Comments	Numerous areas of severe deterioration of sheeting across the roof.		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	3
Surface Type / Treatment	1	Asbestos Type	2
Material Score	7 / Medium		

Asbestos Cement Roof Algorithm

Assessment Parameter	Score	Examples of score variables
Material Solidity	1	The corners or the edges of the sheets break with a sharp sound using pinchers
	3	The corners or the edges of the sheets tend to bend or flake using pincers
	9	The corners or the edges bend or flake easily when manipulated by hand
Appearance of fibres	1	Enclosed bundles of fibres can be seen in the cement matrix using a magnifying glass
	3	Partially enclosed bundles of fibres can be seen in the cement matrix using a magnifying glass
	9	The layers of fibres seen using a magnifying glass are easily removable using tweezers
Flaking, cracks, breakages	1	Absent
	2	Not very frequent
	3	Numerous
Friable or pulverulent material in the gutter	1	Absent
	2	Scarce
	3	Substantial
Stalactites	1	Absent
	2	Small
	3	Substantial size
Total Sum	31	Judgment on state of roof: Roof is in poor condition throughout with numerous areas of deterioration exposing fibrous edges and large amounts of debris located on flat roof area. *This information should be considered alongside the asbestos data sheet on the previous page.

Main Building > External > External Fixtures (R4) > Cement sheeting

Building	Main Building	Level	External
Location	External Fixtures (R4)	Item	Cement sheeting
Material	Cement	Extent	Approx 395 sq.m (Roof 4&5)
			
Strategy / Sample Id	Strongly Presume / S102	Presumed Fibre Type	Amosite and Chrysotile
Recommendation	Remove by trained operatives.		
General Comments	Numerous areas of severe deterioration of sheeting across the roof.		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	3
Surface Type / Treatment	1	Asbestos Type	2
Material Score	7 / Medium		

Asbestos Cement Roof Algorithm

Assessment Parameter	Score	Examples of score variables
Material Solidity	1	The corners or the edges of the sheets break with a sharp sound using pinchers
	3	The corners or the edges of the sheets tend to bend or flake using pincers
	9	The corners or the edges bend or flake easily when manipulated by hand
Appearance of fibres	1	Enclosed bundles of fibres can be seen in the cement matrix using a magnifying glass
	3	Partially enclosed bundles of fibres can be seen in the cement matrix using a magnifying glass
	9	The layers of fibres seen using a magnifying glass are easily removable using tweezers
Flaking, cracks, breakages	1	Absent
	2	Not very frequent
	3	Numerous
Friable or pulverulent material in the gutter	1	Absent
	2	Scarce
	3	Substantial
Stalactites	1	Absent
	2	Small
	3	Substantial size
Total Sum	31	Judgment on state of roof: Roof is in poor condition throughout with numerous areas of deterioration exposing fibrous edges and large amounts of debris located on flat roof area. *This information should be considered alongside the asbestos data sheet on the previous page.

Main Building > External > External Fixtures (R5) > Cement sheeting

Building	Main Building	Level	External
Location	External Fixtures (R5)	Item	Cement sheeting
Material	Cement	Extent	See Roof 4 extent for full extent
			
Strategy / Sample Id	Strongly Presume / S102	Presumed Fibre Type	Amosite and Chrysotile
Recommendation	Remove by trained operatives.		
General Comments	Numerous areas of severe deterioration of sheeting across the roof.		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	3
Surface Type / Treatment	1	Asbestos Type	2
Material Score	7 / Medium		

Asbestos Cement Roof Algorithm

Assessment Parameter	Score	Examples of score variables
Material Solidity	1	The corners or the edges of the sheets break with a sharp sound using pinchers
	3	The corners or the edges of the sheets tend to bend or flake using pincers
	9	The corners or the edges bend or flake easily when manipulated by hand
Appearance of fibres	1	Enclosed bundles of fibres can be seen in the cement matrix using a magnifying glass
	3	Partially enclosed bundles of fibres can be seen in the cement matrix using a magnifying glass
	9	The layers of fibres seen using a magnifying glass are easily removable using tweezers
Flaking, cracks, breakages	1	Absent
	2	Not very frequent
	3	Numerous
Friable or pulverulent material in the gutter	1	Absent
	2	Scarce
	3	Substantial
Stalactites	1	Absent
	2	Small
	3	Substantial size
Total Sum	31	Judgment on state of roof: Roof is in poor condition throughout with numerous areas of deterioration exposing fibrous edges and large amounts of debris located on flat roof area. *This information should be considered alongside the asbestos data sheet on the previous page.

Main Building > External > External Fixtures (R6) > Fascia Slates

Building	Main Building	Level	External
Location	External Fixtures (R6)	Item	Fascia Slates
Material	Cement	Extent	Approx 90 sq.m total
			
Strategy / Sample Id	Sample / S103	Fibre Type	Amosite and Chrysotile
Recommendation	Manage in situ for signs of deterioration		
General Comments	Numerous areas of minor damage throughout fascia should be monitored for further more significant damage.		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	2
Surface Type / Treatment	1	Asbestos Type	2
Material Score	6 / Low		

Main Building > External > Surrounding grounds > Cement sheeting Debris

Building	Main Building	Level	External
Location	Surrounding grounds	Item	Cement sheeting Debris
Material	Cement	Extent	N/A
			
Strategy / Sample Id	Strongly Presume / S102	Presumed Fibre Type	Amosite and Chrysotile
Recommendation	Emergency environmental clean is required of immediate areas surrounding the school and flat roof areas to prevent further debris being displaced on to ground level surrounding areas.		

Material Assessment

Product Type (or Debris from Product)	1	Extent of Damage / Deterioration	3
Surface Type / Treatment	1	Asbestos Type	2
Material Score	7 / Medium		

Main Building > Ground Floor > Classrooms > Vinyl tiles

Building	Main Building	Level	Ground Floor
Location	Classrooms	Item	Vinyl tiles
Material	Vinyl tiles	Extent	N/A
			
Strategy / Sample Id	Strongly Presume / S105	Presumed Fibre Type	NADIS

Main Building > Ground Floor > Classrooms > Location Notes

Building	Main Building	Level	Ground Floor
Location	Classrooms	Item	
			
Location Notes	Vinyl flooring over concrete subfloor. Solid walls throughout. Smooth plasterboard ceilings. Non ACM vinyl tiles located at the front of the room. All classrooms were not accessible on the day for invasive inspection. Classrooms are presumed to be of similar structure based on visual inspections.		
General Comments	No ACM's identified		

Main Building > Ground Floor > Gymnasium > Vinyl tiles

Building	Main Building	Level	Ground Floor
Location	Gymnasium	Item	Vinyl tiles
Material	Vinyl tiles	Extent	N/A
			
Strategy / Sample Id	Sample / S105	Fibre Type	NADIS

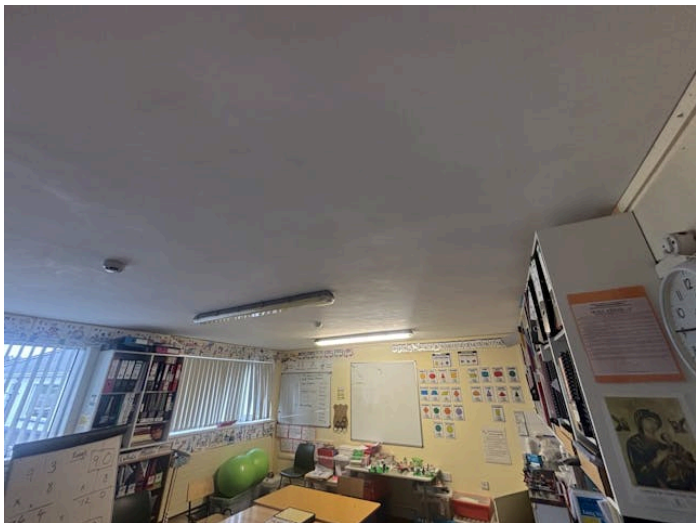
Main Building > Ground Floor > Gymnasium > Location Notes

Building	Main Building	Level	Ground Floor
Location	Gymnasium	Item	
			
Location Notes	Timber flooring. Solid walls throughout. Metal deck roof ceiling. Side storage area with vinyl tiles on concrete subfloor (sample taken for analysis).		
General Comments	No ACM's identified		

Main Building > Ground Floor > Hallways > Vinyl tiles

Building	Main Building	Level	Ground Floor
Location	Hallways	Item	Vinyl tiles
Material	Vinyl tiles	Extent	N/A
			
Strategy / Sample Id	Strongly Presume / S105	Presumed Fibre Type	NADIS

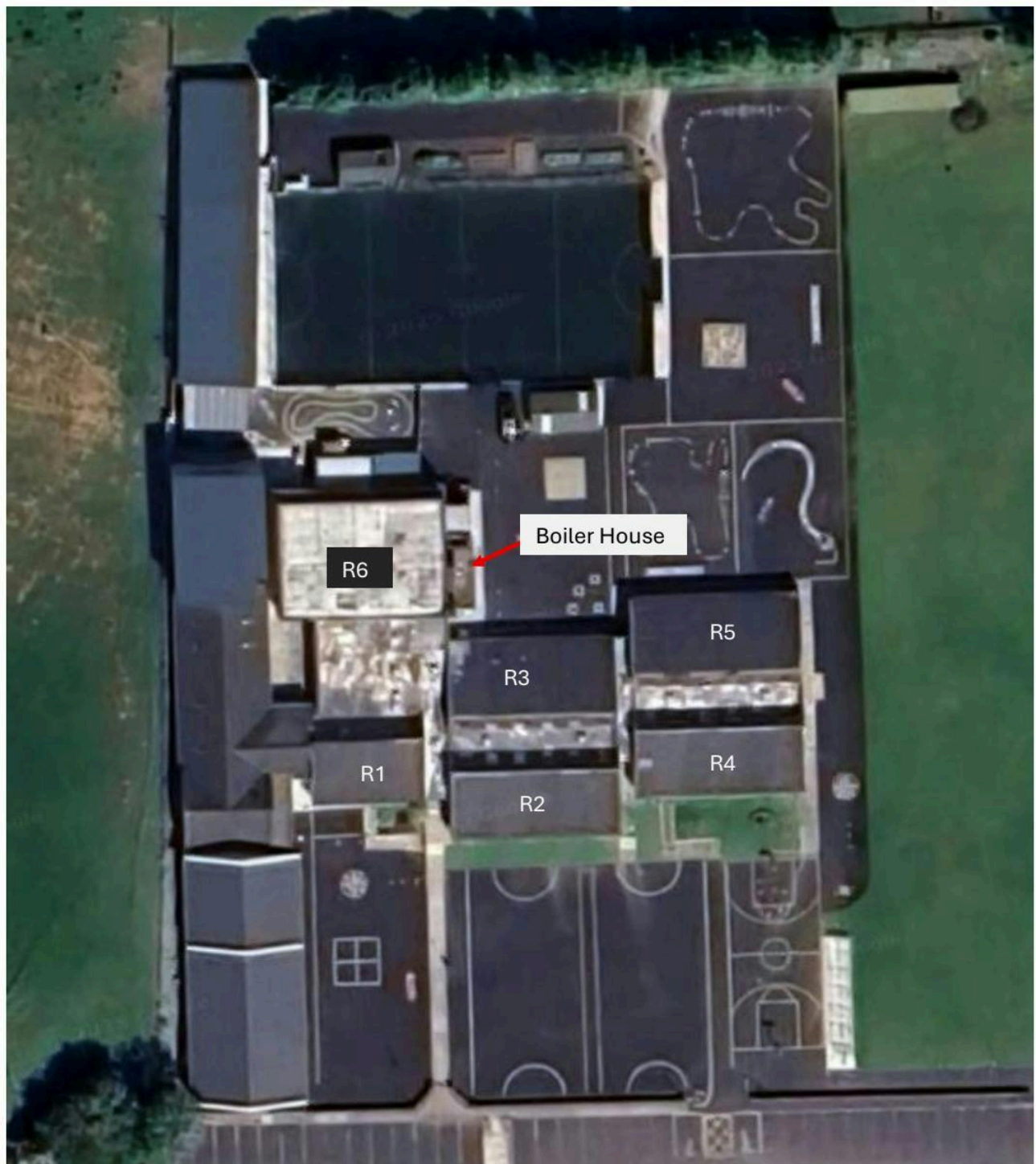
Main Building > Ground Floor > Small classrooms > Location Notes

Building	Main Building	Level	Ground Floor
Location	Small classrooms	Item	
			
Location Notes	Carpet flooring over concrete subfloor. Solid walls throughout. Smooth plasterboard ceilings. All classrooms were not accessible on the day for invasive inspection. Classrooms are presumed to be of similar structure based on visual inspections.		
General Comments	No ACM's identified		

Appendices

Floorplans

See following pages...



Bulk Sample Test Certificates

See following pages...



BULK MATERIAL SAMPLE REPORT

Reference No: J700471 Client Order No: N/A
 Date Received: 14 Oct 2025
 Client Name and Address: Higgins Consultancy (Ardrahan) Ltd., Tonroe, Ardrahan, Galway -
 Site Address: St. Oliver Plunkett NS, Ballina, Co. Mayo
 Sampling Officer: Higgins Consultancy (Ardrahan) Ltd.
 Date of Analysis: 16 Oct 2025
 Analyst: Jamie Fearon
 Approving Officer: Andy Webster Signed: *AW*
 Issue Date: 16 Oct 2025

ANALYSIS RESULTS

Sampling carried out by our own officers follows the procedures documented in our internal method M3: The Sampling of Bulk Materials, for Analysis to Determine the Presence of Asbestos. These samples have been analysed in accordance with internal method M2: The Identification of Asbestos, within Bulk Materials, by the Use of Optical Microscopy. Both these internal methods are based on the standard method as outlined in the HSE Document HSG248 'Asbestos: The Analysts' Guide. Any deviations from these standard methods will be recorded in this report. No responsibility is taken for sampling that is not carried out by own officers. Opinions and interpretations expressed herein are outside the scope of our UKAS accreditation. Any comments regarding percentage content is outside the scope of our UKAS accreditation. The material classification is the opinion of the analyst, based on the samples' appearance, as received, and may not accurately reflect the source material on site. Where 'Trace Asbestos' has been reported, only 1 or 2 fibres or fibre bundles have been identified and analysed as asbestos following a thorough examination of the sample. All samples are analysed at one of our UKAS accredited laboratories in Somerset or Northern Ireland. This report must not be reproduced, except in full, without the written permission of the laboratory. These samples will be retained within this laboratory for a period of six months prior to disposal at a licensed asbestos disposal site, unless the client makes alternative arrangements. Reports will be retained for a minimum of five years following the date of issue. Please note that for flooring samples G&L Consultancy uses the following convention: Positive Tile, Positive Bitumen = Reinforced Composite + Well Bound Material; Positive Tile, Negative Bitumen = Reinforced Composite; Negative Tile, Positive Bitumen = Well Bound Material; Negative Tile, Negative Bitumen = Not Applicable. For advice concerning these materials, risk assessments, removal procedures or information regarding the current legislation for work with asbestos containing materials, please contact G&L Consultancy Ltd.

Site Ref	Lab Ref	Description	Analysis Result	Classification
S101	BS243356	Bitumen Felt	Chrysotile	Well Bound Material
S102	BS243357	Cement Sheeting	Chrysotile + Amosite	Asbestos Cement
S103	BS243358	Cement Slate	Chrysotile + Amosite	Asbestos Cement
S104	BS243359	Gasket	Chrysotile	Asbestos Textiles/Paper

G&L Consultancy Ltd

54A Huntly Road, Banbridge, Co. Down, Northern Ireland, BT32 3UA

Tel: 028 4062 3566 Email: ni@gnl.org.uk Web: www.gnl.org.uk

Company Directors: Mrs J Lewis and Mr P Lewis. VAT Registration Number 729 1092 34

Registered Office: Unit 5A, Castle Road, Chelston Business Park, Wellington, Somerset, TA21 9JQ

G&L Consultancy Ltd is a company registered in England and Wales with a Company Number: 3687929



BULK MATERIAL SAMPLE REPORT (CONTINUATION)

Site Ref	Lab Ref	Description	Analysis Result	Classification
S105	BS243360	Vinyl	No Asbestos Detected	Not Applicable

Types of Asbestos Survey

HSG 264 (Asbestos: The Survey Guide) describes two types of survey:

Management Surveys

A management survey is the standard survey. Its purpose is to locate, as far as reasonably practicable, the presence and extent of any suspect ACMs in the building which could be damaged or disturbed during normal occupancy, including foreseeable maintenance and installation, and to assess their condition. Management surveys can involve a combination of sampling to confirm asbestos is present or presuming asbestos to be present.

Refurbishment and Demolition Surveys

A refurbishment and demolition survey is needed before any refurbishment or demolition work is carried out. This type of survey is used to locate and describe, as far as reasonably practicable, all ACMs in the area where the refurbishment work will take place or in the whole building if demolition is planned. The survey will be fully intrusive and involve destructive inspection, as necessary, to gain access to all areas, including those that may be difficult to reach. A refurbishment and demolition survey may also be required in other circumstances, eg when more intrusive maintenance and repair work will be carried out or for plant removal or dismantling.

Material Assessment Scores

Where ACMs have been identified or presumed, a material score is calculated in accordance with HSG 264 (Asbestos: The Survey Guide). The value assigned to each of the four sample variables is added together to give a total material score between 2 and 12.

Sample Variable	Score	Examples of Score
Product Type (or Debris from Product)	1	Asbestos reinforced composites (plastics, resins, mastics, roofing felts, vinyl floor tiles, semi-rigid paints or decorative finishes, asbestos cement etc)
	2	Asbestos insulating board, mill boards, other low density insulation boards, asbestos textiles, gaskets, ropes and woven textiles, asbestos paper and felt
	3	Thermal insulation (eg pipe and boiler lagging), sprayed asbestos, loose asbestos, asbestos mattresses and packing
Extent of Damage / Deterioration	0	Good condition: no visible damage
	1	Low damage: a few scratches or surface marks; broken edges on board, tiles etc.
	2	Medium damage: significant breakage of materials or several small areas where material has been damaged revealing loose asbestos fibres
	3	High damage or delamination of materials, sprays and thermal insulation. Visible asbestos debris.
Surface Treatment	0	Composite materials containing asbestos: reinforced plastics, resins, vinyl tiles
	1	Enclosed sprays and lagging, asbestos insulating board (with exposed face painted or encapsulated), asbestos cement sheets etc.
	2	Unsealed asbestos insulating board, or encapsulated lagging and sprays
	3	Unsealed laggings and sprays
Asbestos Type	1	Chrysotile
	2	Amphibole asbestos excluding crocidolite
	3	Crocidolite

The material score determines the potential for a material to release asbestos fibres when disturbed. This score is then categorised to describe the potential:

Material Score	2	3	4	5	6	7	8	9	10	11	12
Category	Very Low			Low		Medium			High		

Asbestos Materials

Asbestos is a naturally occurring mineral composed of soft and flexible fibers that are resistant to heat, electricity and corrosion. These qualities make the mineral useful, but they also make asbestos exposure highly toxic.

Asbestos is a group of six naturally occurring fibrous minerals composed of thin, needle-like fibers. Exposure to asbestos causes several cancers and diseases, including mesothelioma and asbestosis.

Asbestos Morphology

Mineral Group	Fibre Type	Common Name
Serpentine	Chrysotile	White
Amphibole	Amosite	Brown
	Crocidolite	Blue
	Anthophyllite	n/a
	Tremolite	n/a
	Actinolite	n/a

Note: Anthophyllite was used in limited quantities for insulation products and construction materials. It also occurs as a contaminant in chrysotile asbestos, vermiculite and talc. Tremolite and actinolite are not used commercially, but they can be found as contaminants in chrysotile asbestos, vermiculite and talc.