



Our Ref: J125588 FI: 36  
Your Ref: .  
Date: 08/08/2017

**ENVIROCHEM**  
**Analytical Laboratories Ltd.**  
12 The Gardens  
Broadcut, Fareham  
Hampshire  
PO16 8SS



Tel: (01329) 287777  
Fax: (01329) 287755  
[www.envirochem.co.uk](http://www.envirochem.co.uk)  
[office@envirochem.co.uk](mailto:office@envirochem.co.uk)

**DEMOLITION ASBESTOS SURVEY**  
**OF**  
**38-44 LONDON ROAD,**  
**PURBROOK,**  
**WATERLOOVILLE**  
**PO7 5LJ**  
**ON BEHALF OF**  
**MCCARTHY & STONE (DEVELOPMENTS) LIMITED**

## DISCLAIMER

Envirochem completed this survey on the basis of a specified program of work and terms and conditions agreed with the Client. All reasonable skill and care, bearing in mind the project objectives and the agreed scope of work, have been exercised during the preparation of this survey report.

Following the issue of this survey report, responsibility to any parties for any matters arising, which may be considered outside of the agreed scope of work, will not be accepted by Envirochem.

This survey report is confidential. Envirochem will accept liability to no parties with the exception of the Client. Without the written agreement of Envirochem, no one with the exception of the Client, may rely upon or have the benefit of this survey report.

Envirochem asserts and retains all copyright, and other intellectual property rights, in and over the survey report and its contents unless these rights were specifically assigned or transferred within the terms of the agreement.

Any questions or matters arising from this survey report should be addressed to Envirochem.

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|                      | Name                           | Signed                                                                               | Dated      |
|----------------------|--------------------------------|--------------------------------------------------------------------------------------|------------|
| Report Authorised By | Paul Harper<br>(Lead Surveyor) |  | 8 Aug 2017 |

## SECTION 1 - Executive Summary

This report is based on the findings of a demolition asbestos survey (as defined by Health and Safety Executive (HSE) Guidance Note HSG264: Asbestos: The Survey Guide) carried out by Envirochem at 38-44 London Road, Purbrook, Waterlooville, PO7 5LJ. The purpose of the survey was to determine the location, extent and product type of all reasonably accessible asbestos containing materials (ACM's) within the specified buildings.

### *Scope of work*

The scope of work is a demolition asbestos survey of the House, Warehouse & 2 Outbuildings

### *Asbestos identified*

| SAMPLE NUMBER  | SAMPLE DESCRIPTION                                                                                                 | PRODUCT TYPE                          |
|----------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| Sample 3       | Out Building (Car Sales). Ground Floor. G.02 Kitchen, Textured coating to plasterboard ceiling                     | Artex                                 |
| Sample 11      | Workshop Building. Ground Floor. G.01 Office 1, Woven flash pads within fuse box                                   | Woven                                 |
| Ref. Sample 11 | Workshop Building. Ground Floor. G.05 Bay 2, Woven flash pads within fuse boxes to north east corner               | Woven                                 |
| Ref. Sample 11 | Workshop Building. Ground Floor. G.07 Bay 3, Woven flash pads within high level fuse box north west corner         | Woven                                 |
| Sample 12      | Workshop Building. Ground Floor. G.02 Office 2, Insulation board ceiling panels and panels to under side of stairs | Asbestos Insulating Board             |
| Ref. Sample 12 | Workshop Building. Ground Floor. G.03 Lobby 1/Stairs 2, Insulation board ceiling/wall panels                       | Asbestos Insulating Board             |
| Ref. Sample 12 | Workshop Building. Ground Floor. G.04 Bay 1, Insulation board ceiling panels                                       | Asbestos Insulating Board             |
| Sample 22      | Workshop Building. External. E.01 External, Corrugated cement roof sheets covering all areas                       | Asbestos Cement                       |
| Sample 23      | Workshop Building. External. E.01 External, Loose corrugated cement roof sheets adjacent oil tanks                 | Asbestos Cement                       |
| Sample 24      | Workshop Building. External. E.01 External, Cement downpipe/guttering to east/west sides of bay 4 section          | Asbestos Cement                       |
| Sample 26      | Workshop Building. External. E.01 External, Typical damp proof course surrounding building                         | Damp proof course/damp proof membrane |
| Sample 30      | House Building. First Floor. 1.01 Room 1, Artex coating to plasterboard ceiling                                    | Artex                                 |
| Sample 31      | House Building. First Floor. 1.02 Room 2, Artex coating to plasterboard ceiling                                    | Artex                                 |
| Sample 32      | House Building. First Floor. 1.03 Room 4, Artex coating to plasterboard ceiling                                    | Artex                                 |
| Visual 1       | House Building. First Floor. 1.10 External, Cement undercloaking to high                                           | Asbestos Cement                       |



|  |                   |  |
|--|-------------------|--|
|  | level pitch roofs |  |
|--|-------------------|--|

### *Areas of no access*

The following areas were not accessed at the time of the survey:

| AREA                                        | REASON FOR NON-ACCESS                                       |
|---------------------------------------------|-------------------------------------------------------------|
| House Building First Floor. 1.09 Roof Voids | Limited access within upper roof voids due to unsafe access |

Until the above locations are accessed, as stated within HSE Guidance Note HSG 264, it should be presumed that these areas contain ACMs.

### *Asbestos containing materials and actions required*

| SAMPLE NUMBER  | SAMPLE DESCRIPTION                                                                                                 | PRODUCT TYPE                          | ACTION REQUIRED                                      |
|----------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------|
| Sample 3       | Out Building (Car Sales). Ground Floor. G.02 Kitchen, Textured coating to plasterboard ceiling                     | Artex                                 | Removal of non-licensed ACMs (Remove (non-licensed)) |
| Sample 11      | Workshop Building. Ground Floor. G.01 Office 1, Woven flash pads within fuse box                                   | Woven                                 | Removal of non-licensed ACMs (Remove (non-licensed)) |
| Ref. Sample 11 | Workshop Building. Ground Floor. G.05 Bay 2, Woven flash pads within fuse boxes to north east corner               | Woven                                 | Removal of non-licensed ACMs (Remove (non-licensed)) |
| Ref. Sample 11 | Workshop Building. Ground Floor. G.07 Bay 3, Woven flash pads within high level fuse box north west corner         | Woven                                 | Removal of non-licensed ACMs (Remove (non-licensed)) |
| Sample 12      | Workshop Building. Ground Floor. G.02 Office 2, Insulation board ceiling panels and panels to under side of stairs | Asbestos Insulating Board             | Removal of licensed ACMs (Remove (licensed))         |
| Ref. Sample 12 | Workshop Building. Ground Floor. G.03 Lobby 1/Stairs 2, Insulation board ceiling/wall panels                       | Asbestos Insulating Board             | Removal of licensed ACMs (Remove (licensed))         |
| Ref. Sample 12 | Workshop Building. Ground Floor. G.04 Bay 1, Insulation board ceiling panels                                       | Asbestos Insulating Board             | Removal of licensed ACMs (Remove (licensed))         |
| Sample 22      | Workshop Building. External. E.01 External, Corrugated cement roof sheets covering all areas                       | Asbestos Cement                       | Removal of non-licensed ACMs (Remove (non-licensed)) |
| Sample 23      | Workshop Building. External. E.01 External, Loose corrugated cement roof sheets adjacent oil tanks                 | Asbestos Cement                       | Removal of non-licensed ACMs (Remove (non-licensed)) |
| Sample 24      | Workshop Building. External. E.01 External, Cement downpipe/guttering to east/west sides of bay 4 section          | Asbestos Cement                       | Removal of non-licensed ACMs (Remove (non-licensed)) |
| Sample 26      | Workshop Building. External. E.01 External, Typical damp proof course surrounding building                         | Damp proof course/damp proof membrane | Removal of non-licensed ACMs (Remove (non-licensed)) |

|           |                                                                                            |                 |                                                      |
|-----------|--------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------|
| Sample 30 | House Building. First Floor. 1.01 Room 1, Artex coating to plasterboard ceiling            | Artex           | Removal of non-licensed ACMs (Remove (non-licensed)) |
| Sample 31 | House Building. First Floor. 1.02 Room 2, Artex coating to plasterboard ceiling            | Artex           | Removal of non-licensed ACMs (Remove (non-licensed)) |
| Sample 32 | House Building. First Floor. 1.03 Room 4, Artex coating to plasterboard ceiling            | Artex           | Removal of non-licensed ACMs (Remove (non-licensed)) |
| Visual 1  | House Building. First Floor. 1.10 External, Cement undercloaking to high level pitch roofs | Asbestos Cement | Removal of non-licensed ACMs (Remove (non-licensed)) |

The purpose of this survey is to identify the asbestos containing materials that are present, with the assumption that during demolition, all ACM's discovered are to be removed.

## SECTION 2 – Introduction

Envirochem Analytical Laboratories Ltd is a well established, independent organisation. We are United Kingdom Accreditation Service (UKAS) accredited as a testing laboratory (Number: 1227) and as an inspection body (Number: 260). This accreditation covers fibre identification of asbestos bulk samples, air monitoring for asbestos and asbestos building surveys. All asbestos lead surveyors hold, as a minimum qualification, the British Occupational Hygiene Society (BOHS) proficiency certificate in Building surveys and bulk sampling for asbestos (P402). Likewise, those employed in the other fields mentioned hold, as a minimum qualification, the relevant BOHS proficiency certificate.

We also have expertise and experience in setting up and monitoring asbestos management plans.

This report is based on the findings of a demolition (as defined by Health and Safety Executive (HSE) Guidance Note HSG264: Asbestos: The Survey Guide) survey carried out by Envirochem at 38-44 London Road, Purbrook, Waterlooville, PO7 5LJ.

The survey was carried out on the 1st August 2017 to 2nd August 2017 by Paul Harper on behalf of Envirochem Analytical Laboratories Ltd, 12 The Gardens, Fareham, Hampshire, PO16 8SS, as instructed by Simon Bryan of McCarthy & Stone (Developments) Limited, Southern House, 1 Embankment Way, Ringwood, BH24 1EU.

The purpose of the survey was to determine the location, extent and product type of all asbestos containing materials (ACM's) within the areas covered by this survey report. This information should form part of the Health and Safety plan for any proposed demolition work, as required by the CDM Regulations and/or the Control of Asbestos Regulations 2012.

*For further information with respect to the survey report or to arrange asbestos removal work or to arrange a free consultation at our premises please contact Mr Matthew Hurst or Mr Stuart White on 01329 287777.*

The location and description, as far as was reasonably possible, of all suspected ACM's within all areas of the building were recorded. ACM's have not been disturbed or removed during the course of this survey. There is the possibility for additional ACM's to be present behind those identified, which may only be discovered during subsequent asbestos removal work.

Samples of each different type of suspected ACM were collected in accordance with HSE Guidance Note HSG264 for laboratory analysis. The samples were then analysed in accordance with HSE Guidance Note HSG248 to identify, which suspected ACM's, actually contained asbestos.

For sampled suspected ACM's, similar homogenous materials used in the same way throughout the building have not been sampled. In this instance the referenced suspected ACM can be strongly presumed to have the same make up as the sampled suspected ACM. Where a suspected ACM cannot be sampled but visually identified only there will be a presumption as to the make up of the material.

The survey is designed to be used as a basis for costing the removal of ACM's from the building prior to demolition. Any person or people using the report in this way must satisfy themselves as to the extent of the ACM's within the designated area and thereby ensure that their tender is sufficient in every respect to remove all the ACM's within these areas, including the possibility of any that may be hidden behind identified, strongly presumed or presumed ACM's.

Due to the situation in which the survey is required the condition of the asbestos is not assessed and an asbestos material assessment is not created, instead a list of asbestos containing materials is developed. It should be noted that even when there are no ACM's identified in any particular area this is not a guarantee that ACM's are not present in this area. For instance ACM's may be located within the structure of the building and not identified until demolition of the building. Due caution must always be taken when dealing with building materials and suspected ACM's must be reported and left undisturbed until further investigation proves it safe to proceed.

## SECTION 3 - Initial Observations

A demolition asbestos survey was carried out at 38-44 London Road, Purbrook, Waterlooville, PO7 5LJ. The scope of work is a demolition asbestos survey of the House, Warehouse & 2 Outbuildings



## SECTION 4 - Areas of No Access

During the course of this survey no ACM's have been disturbed or removed. There is the possibility that additional ACM's may be present behind those identified. These additional ACM's would only become evident during any subsequent asbestos removal work.

### Specific Areas of No Access

| AREA                                        | REASON FOR NON-ACCESS                                       |
|---------------------------------------------|-------------------------------------------------------------|
| House Building First Floor. 1.09 Roof Voids | Limited access within upper roof voids due to unsafe access |

As stated within HSE Guidance Note HSG264 areas where access cannot be gained must be presumed to contain ACM's until evidence can prove otherwise. All areas listed above should be revisited prior to further works.

## SECTION 5 - Method Statement

### Sampling of Suspected Asbestos Containing Materials (ACM's)

Samples of each different type of suspected ACM were collected in accordance with HSE Guidance Note HSG264 for laboratory analysis.

- The surveyor(s) visited each area to identify the position and number of samples. Also they assessed the health and safety requirements both for the occupiers of the adjacent areas as well as the surveyors.
- During sampling, the surveyors wore the personal protective equipment as appropriate to the risk assessment. In critical areas, warning signs were posted to restrict access during sampling.
- Sampling locations were damped down to reduce the risk of fibre release and samples were collected with shadow vacuuming where necessary. Upon completion of the sampling any debris created was cleaned by either H-type vacuums or wet wiping.
- The sample was placed in a labelled plastic bag, sealed and then placed in a second bag. Where required the sampling position was made good to minimise fibre release and labelled.
- Details of the samples location, product type, extent were recorded to enable a list of asbestos containing materials to be prepared.

### Fibre Identification of Suspected Asbestos Containing Materials (ACM's)

Each sampled suspected ACM was analysed in the laboratory in accordance with HSE Guidance Note HSG248. This analysis involved stereo microscopy and polarised light microscopy in association with dispersion staining techniques.

Using polarised light microscopy very fine asbestos fibres such as those present in some textured coatings may not always be identifiable.

## SECTION 6 - Asbestos Removal and Disposal

Under the Control of Asbestos Regulations 2012, there are three categories of asbestos removal; licensed, non notifiable and notifiable non-licensed work. For licensed work, generally involving asbestos insulation, insulation board and coatings, only a HSE licensed asbestos removal specialist can carry out this work. This work would generally take place inside an enclosure incorporating a three-stage airlock and kept under negative pressure.

Licensable work can only occur once a 14-day period has passed since the HSE received notification from the HSE licensed asbestos removal specialist of the forthcoming asbestos work.

The other two categories, non notifiable and notifiable non-licensed work, trained operatives with the correct equipment should be used as a minimum, Envirochem would always recommend using a licensed contractor for this work. For the purpose of this survey report, all work that would fall into these two categories have been classified as, removal (non-licensed). If these materials are to be removed, a risk assessment should be carried out by the removal operatives on the condition of the material at the time of pre removal and the expected fibre levels from similar work to allow the material to be categorised as non notifiable or notifiable non-licensed work. If the material is classified as notifiable non-licensed work, the local authority should be informed of the removal works prior to it commencing.

All waste with an asbestos content in excess of 0.1% of the total weight is classified as special waste and therefore must be deposited at a site which is licensed to accept special waste.

It is the recommendation of Envirochem that all work involving ACM's is undertaken by a HSE licensed asbestos removal specialist to ensure all legislation and guidelines are adhered to.

*For information regarding work with asbestos or to arrange work with asbestos please contact*



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[office@envirochem.co.uk](mailto:office@envirochem.co.uk)

## Asbestos Fibre Identification Report

**Client:** McCarthy & Stone (Developments) Limited  
Southern House, 1 Embankment Way, Ringwood, BH24 1EU

**Site Address:** 38-44 London Road, Purbrook, Waterlooville, PO7 5LJ

**Sampled By:** Paul Harper, Envirochem

**Date sampled/received:** 1st August 2017 - 2nd August 2017

**Date analysed:** 4th August 2017

**Analyst/s:** Matt Hurst

**Analysis Location:** 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS

### ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented 'in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

### RESULTS

| Sample No. | Sample Ref. | Location                                                                                                             | Asbestos Detected | Asbestos Type |
|------------|-------------|----------------------------------------------------------------------------------------------------------------------|-------------------|---------------|
| Sample 1   | AX000363    | Out Building (Car Sales), Ground Floor. G.01 Store, Vinyl floor lay (red)                                            | No                |               |
| Sample 2   | AX000364    | Out Building (Car Sales), Ground Floor. G.02 Kitchen, Textured coating to block walls continues behind wooden panels | No                |               |
| Sample 3   | AX000365    | Out Building (Car Sales), Ground Floor. G.02 Kitchen, Textured coating to plasterboard ceiling                       | Yes               | Chrysotile    |
| Sample 4   | AX000366    | Out Building (Car Sales), Ground Floor. G.03 Office, Textured coating to plasterboard ceiling                        | No                |               |

#### NOTES:

1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
2. Samples collected by the client are evaluated using information provided by the client. For samples collected by the client the date of receipt is deemed to be the same as the date sampled.
3. Envirochem is a UKAS accredited laboratory for sampling and identification of asbestos containing materials.
4. Comments, observations and opinions are outside the scope of UKAS accreditation.
5. The analytical method in the HSG248 does not quantify the amount of asbestos present, therefore UKAS accreditation does not permit quantification.
6. If, during fibre identification, only 1 or 2 fibres are seen and identified as asbestos, then the term 'trace asbestos identified' is used.

SIGNATURE:

Authorised signatory

PRINT NAME: Bradley Travis

**Reg. No. 2378228 England. Registered Office: Envirochem, 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS.**



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**Analyst/s:** Matt Hurst

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### ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented 'in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

### RESULTS

| Sample No. | Sample Ref. | Location                                                                                             | Asbestos Detected | Asbestos Type |
|------------|-------------|------------------------------------------------------------------------------------------------------|-------------------|---------------|
| Sample 5   | AX000367    | Out Building (Car Sales), External. E.01 ., Typical filler to window frames                          | No                |               |
| Sample 6   | AX000368    | Out Building (Car Sales), External. E.01 ., Felt lining to high level wall (red)                     | No                |               |
| Sample 7   | AX000369    | Out Building (Car Sales), External. E.01 ., Corrugated cement roof sheets covering whole of building | No                |               |
| Sample 8   | AX000370    | Out Building (Stores), Ground Floor. G.01 Store, Corrugated cement roof sheets debris to floor       | No                |               |

#### NOTES:

1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
2. Samples collected by the client are evaluated using information provided by the client. For samples collected by the client the date of receipt is deemed to be the same as the date sampled.
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6. If, during fibre identification, only 1 or 2 fibres are seen and identified as asbestos, then the term 'trace asbestos identified' is used.

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Reg. No. 23/8228 England. Registered Office: Envirochem, 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS.



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**Date analysed:** 4th August 2017

**Analyst/s:** Matt Hurst

**Analysis Location:** 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS

### ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented 'in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

### RESULTS

| Sample No. | Sample Ref. | Location                                                                                                           | Asbestos Detected | Asbestos Type |
|------------|-------------|--------------------------------------------------------------------------------------------------------------------|-------------------|---------------|
| Sample 9   | AX000371    | Out Building (Stores), Ground Floor. G.01 Store, High level felt lining to pitch of roof                           | No                |               |
| Sample 10  | AX000372    | Workshop Building, First Floor. 1.01 Office 1, Vinyl floor lay (green)                                             | No                |               |
| Sample 11  | AX000373    | Workshop Building, Ground Floor. G.01 Office 1, Woven flash pads within fuse box                                   | Yes               | Chrysotile    |
| Sample 12  | AX000374    | Workshop Building, Ground Floor. G.02 Office 2, Insulation board ceiling panels and panels to under side of stairs | Yes               | Amosite       |

#### NOTES:

1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
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### ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented 'in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

### RESULTS

| Sample No. | Sample Ref. | Location                                                                                          | Asbestos Detected | Asbestos Type |
|------------|-------------|---------------------------------------------------------------------------------------------------|-------------------|---------------|
| Sample 13  | AX000375    | Workshop Building, First Floor. 1.02 Gents Toilets, Vinyl floor lay (brown)                       | No                |               |
| Sample 14  | AX000376    | Workshop Building, First Floor. 1.02 Gents Toilets, Bitumen pads to underside of sink and drainer | No                |               |
| Sample 15  | AX000377    | Workshop Building, First Floor. 1.03 Ladies Toilets, Vinyl floor lay (grey)                       | No                |               |
| Sample 16  | AX000379    | Workshop Building, Ground Floor. G.06 Office 2, Vinyl floor lay (grey)                            | No                |               |

#### NOTES:

1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
2. Samples collected by the client are evaluated using information provided by the client. For samples collected by the client the date of receipt is deemed to be the same as the date sampled.
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**Date analysed:** 4th August 2017

**Analyst/s:** Matt Hurst

**Analysis Location:** 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS

### ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented 'in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

### RESULTS

| Sample No. | Sample Ref. | Location                                                                                                             | Asbestos Detected | Asbestos Type |
|------------|-------------|----------------------------------------------------------------------------------------------------------------------|-------------------|---------------|
| Sample 17  | AX000380    | Workshop Building, Ground Floor. G.06 Office 2, Textured coating to plasterboard ceiling                             | No                |               |
| Sample 18  | AX000381    | Workshop Building, Ground Floor. G.08 Bay 4, Insulation board debris to floor running along west and east side walls | No                |               |
| Sample 19  | AX000382    | Workshop Building, Ground Floor. G.08 Bay 4, Textured coating to west side partition walls                           | No                |               |
| Sample 20  | AX000383    | Workshop Building, Ground Floor. G.08 Bay 4, Textured coating to ceiling                                             | No                |               |

#### NOTES:

1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
2. Samples collected by the client are evaluated using information provided by the client. For samples collected by the client the date of receipt is deemed to be the same as the date sampled.
3. Envirochem is a UKAS accredited laboratory for sampling and identification of asbestos containing materials.
4. Comments, observations and opinions are outside the scope of UKAS accreditation.
5. The analytical method in the HSG248 does not quantify the amount of asbestos present, therefore UKAS accreditation does not permit quantification.
6. If, during fibre identification, only 1 or 2 fibres are seen and identified as asbestos, then the term 'trace asbestos identified' is used.

SIGNATURE:

Authorised signatory

PRINT NAME: Bradley Travis

Reg. No. 2378228 England. Registered Office: Envirochem, 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS.



Our Ref: J125588 FI: 36

Your Ref: .

Date: 08/08/2017

**ENVIROCHEM**  
**Analytical Laboratories Ltd.**  
12 The Gardens  
Broadcut, Fareham  
Hampshire  
PO16 8SS



Tel: (01329) 287777

Fax: (01329) 287755

[www.envirochem.co.uk](http://www.envirochem.co.uk)

[office@envirochem.co.uk](mailto:office@envirochem.co.uk)

## Asbestos Fibre Identification Report

**Client:** McCarthy & Stone (Developments) Limited  
Southern House, 1 Embankment Way, Ringwood, BH24 1EU

**Site Address:** 38-44 London Road, Purbrook, Waterlooville, PO7 5LJ

**Sampled By:** Paul Harper, Envirochem

**Date sampled/received:** 1st August 2017 - 2nd August 2017

**Date analysed:** 4th August 2017

**Analyst/s:** Matt Hurst

**Analysis Location:** 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS

### ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented 'in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

### RESULTS

| Sample No. | Sample Ref. | Location                                                                                                  | Asbestos Detected | Asbestos Type |
|------------|-------------|-----------------------------------------------------------------------------------------------------------|-------------------|---------------|
| Sample 21  | AX000384    | Workshop Building, Ground Floor. G.08 Bay 4, Textured coating to partition walls east side                | No                |               |
| Sample 22  | AX000385    | Workshop Building, External. E.01 External, Corrugated cement roof sheets covering all areas              | Yes               | Chrysotile    |
| Sample 23  | AX000386    | Workshop Building, External. E.01 External, Loose corrugated cement roof sheets adjacent oil tanks        | Yes               | Chrysotile    |
| Sample 24  | AX000387    | Workshop Building, External. E.01 External, Cement downpipe/guttering to east/west sides of bay 4 section | Yes               | Chrysotile    |

#### NOTES:

1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
2. Samples collected by the client are evaluated using information provided by the client. For samples collected by the client the date of receipt is deemed to be the same as the date sampled.
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6. If, during fibre identification, only 1 or 2 fibres are seen and identified as asbestos, then the term 'trace asbestos identified' is used.

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## Asbestos Fibre Identification Report

**Client:** McCarthy & Stone (Developments) Limited  
Southern House, 1 Embankment Way, Ringwood, BH24 1EU

**Site Address:** 38-44 London Road, Purbrook, Waterlooville, PO7 5LJ

**Sampled By:** Paul Harper, Envirochem

**Date sampled/received:** 1st August 2017 - 2nd August 2017

**Date analysed:** 4th August 2017

**Analyst/s:** Matt Hurst

**Analysis Location:** 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS

### ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented 'in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

### RESULTS

| Sample No. | Sample Ref. | Location                                                                                   | Asbestos Detected | Asbestos Type |
|------------|-------------|--------------------------------------------------------------------------------------------|-------------------|---------------|
| Sample 25  | AX000388    | Workshop Building, External. E.01 External, Felt roof lining to sheds rear of bay 4        | No                |               |
| Sample 26  | AX000389    | Workshop Building, External. E.01 External, Typical damp proof course surrounding building | Yes               | Chrysotile    |
| Sample 27  | AX000390    | House Building, Ground Floor. G.01 Room 2, Vinyl floor lay blue top layer                  | No                |               |
| Sample 28  | AX000391    | House Building, Ground Floor. G.01 Room 2, Vinyl floor lay grey bottom layer               | No                |               |

#### NOTES:

1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
2. Samples collected by the client are evaluated using information provided by the client. For samples collected by the client the date of receipt is deemed to be the same as the date sampled.
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6. If, during fibre identification, only 1 or 2 fibres are seen and identified as asbestos, then the term 'trace asbestos identified' is used.

SIGNATURE:

Authorised signatory

PRINT NAME: Bradley Travis

Reg. No. 23/8228 England. Registered Office: Envirochem, 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS.



Our Ref: J125588 FI: 36

Your Ref: .

Date: 08/08/2017

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## Asbestos Fibre Identification Report

**Client:** McCarthy & Stone (Developments) Limited  
Southern House, 1 Embankment Way, Ringwood, BH24 1EU

**Site Address:** 38-44 London Road, Purbrook, Waterlooville, PO7 5LJ

**Sampled By:** Paul Harper, Envirochem

**Date sampled/received:** 1st August 2017 - 2nd August 2017

**Date analysed:** 4th August 2017

**Analyst/s:** Matt Hurst

**Analysis Location:** 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS

### ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented 'in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

### RESULTS

| Sample No. | Sample Ref. | Location                                                                                          | Asbestos Detected | Asbestos Type |
|------------|-------------|---------------------------------------------------------------------------------------------------|-------------------|---------------|
| Sample 29  | AX000392    | House Building, Ground Floor. G.01 Room 2, Textured coating to plaster ceiling under plaster skim | No                |               |
| Sample 30  | AX000393    | House Building, First Floor. 1.01 Room 1, Artex coating to plasterboard ceiling                   | Yes               | Chrysotile    |
| Sample 31  | AX000394    | House Building, First Floor. 1.02 Room 2, Artex coating to plasterboard ceiling                   | Yes               | Chrysotile    |
| Sample 32  | AX000395    | House Building, First Floor. 1.03 Room 4, Artex coating to plasterboard ceiling                   | Yes               | Chrysotile    |

#### NOTES:

1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
2. Samples collected by the client are evaluated using information provided by the client. For samples collected by the client the date of receipt is deemed to be the same as the date sampled.
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4. Comments, observations and opinions are outside the scope of UKAS accreditation.
5. The analytical method in the HSG248 does not quantify the amount of asbestos present, therefore UKAS accreditation does not permit quantification.
6. If, during fibre identification, only 1 or 2 fibres are seen and identified as asbestos, then the term 'trace asbestos identified' is used.

SIGNATURE:

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## Asbestos Fibre Identification Report

**Client:** McCarthy & Stone (Developments) Limited  
Southern House, 1 Embankment Way, Ringwood, BH24 1EU

**Site Address:** 38-44 London Road, Purbrook, Waterlooville, PO7 5LJ

**Sampled By:** Paul Harper, Envirochem

**Date sampled/received:** 1st August 2017 - 2nd August 2017

**Date analysed:** 4th August 2017

**Analyst/s:** Matt Hurst

**Analysis Location:** 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS

### ANALYTICAL PROCEDURE

Fibre identification was carried out in accordance with the documented 'in-house' methods based on the HSE Guidance Note HSG 248. These employed stereo microscopy, polarized microscopy and dispersion staining techniques.

### RESULTS

| Sample No. | Sample Ref. | Location                                                                                              | Asbestos Detected | Asbestos Type |
|------------|-------------|-------------------------------------------------------------------------------------------------------|-------------------|---------------|
| Sample 33  | AX000396    | House Building, First Floor. 1.04 Ladies Toilets, Artex coating to plasterboard partition wall        | No                |               |
| Sample 34  | AX000397    | House Building, First Floor. 1.05 Kitchen, Sink pad to under side of unit                             | No                |               |
| Sample 35  | AX000398    | House Building, First Floor. 1.08 Internal, Ground/1st floor typical felt lining behind/under windows | No                |               |
| Sample 36  | AX000399    | House Building, First Floor. 1.09 Roof Voids, Felt lining to pitch of roof of upper roof voids        | No                |               |

#### NOTES:

1. Sample(s) were examined for the presence of 6 types of asbestos fibres: crocidolite (blue), amosite (brown), chrysotile (white), anthophyllite, actinolite and tremolite.
2. Samples collected by the client are evaluated using information provided by the client. For samples collected by the client the date of receipt is deemed to be the same as the date sampled.
3. Envirochem is a UKAS accredited laboratory for sampling and identification of asbestos containing materials.
4. Comments, observations and opinions are outside the scope of UKAS accreditation.
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SIGNATURE:

Authorised signatory

PRINT NAME: Bradley Travis

Reg. No. 2378228 England. Registered Office: Envirochem, 12 The Gardens, Broadcut, Fareham, Hampshire, PO16 8SS.

# Envirochem Analytical Laboratories Ltd.

## Appendix 2 - List of Asbestos Containing Materials

**Site Address** 38-44 London Road, Purbrook, Waterlooville, PO7 5LJ  
**Date of Survey** 1st August 2017 to 2nd August 2017  
**Reference Number** J125588

| Sample No.     | Location                                                                                                           | Level of Identification | Product Type              | Asbestos Type | Extent             |
|----------------|--------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------|---------------|--------------------|
| Sample 3       | Out Building (Car Sales), Ground Floor. G.02 Kitchen, Textured coating to plasterboard ceiling                     | Identified              | Artex                     | Chrysotile    | 12m <sup>2</sup>   |
| Sample 11      | Workshop Building, Ground Floor. G.01 Office 1, Woven flash pads within fuse box                                   | Identified              | Woven                     | Chrysotile    | 2no.               |
| Ref. Sample 11 | Workshop Building, Ground Floor. G.05 Bay 2, Woven flash pads within fuse boxes to north east corner               | Strongly Presumed       | Woven                     | Chrysotile    | 42no.              |
| Ref. Sample 11 | Workshop Building, Ground Floor. G.07 Bay 3, Woven flash pads within high level fuse box north west corner         | Strongly Presumed       | Woven                     | Chrysotile    | 3no.               |
| Sample 12      | Workshop Building, Ground Floor. G.02 Office 2, Insulation board ceiling panels and panels to under side of stairs | Identified              | Asbestos Insulating Board | Amosite       | 10m <sup>2</sup>   |
| Ref. Sample 12 | Workshop Building, Ground Floor. G.03 Lobby 1/Stairs 2, Insulation board ceiling/wall panels                       | Strongly Presumed       | Asbestos Insulating Board | Amosite       | 12m <sup>2</sup>   |
| Ref. Sample 12 | Workshop Building, Ground Floor. G.04 Bay 1, Insulation board ceiling panels                                       | Strongly Presumed       | Asbestos Insulating Board | Amosite       | 14m <sup>2</sup>   |
| Sample 22      | Workshop Building, External. E.01 External, Corrugated cement roof sheets covering all areas                       | Identified              | Asbestos Cement           | Chrysotile    | 1000m <sup>2</sup> |

# Envirochem Analytical Laboratories Ltd.

## Appendix 2 - List of Asbestos Containing Materials

**Site Address** 38-44 London Road, Purbrook, Waterlooville, PO7 5LJ  
**Date of Survey** 1st August 2017 to 2nd August 2017  
**Reference Number** J125588

| Sample No. | Location                                                                                                  | Level of Identification | Product Type                          | Asbestos Type            | Extent           |
|------------|-----------------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------|--------------------------|------------------|
| Sample 23  | Workshop Building, External. E.01 External, Loose corrugated cement roof sheets adjacent oil tanks        | Identified              | Asbestos Cement                       | Chrysotile               | 6m <sup>2</sup>  |
| Sample 24  | Workshop Building, External. E.01 External, Cement downpipe/guttering to east/west sides of bay 4 section | Identified              | Asbestos Cement                       | Chrysotile               | 80lm             |
| Sample 26  | Workshop Building, External. E.01 External, Typical damp proof course surrounding building                | Identified              | Damp proof course/damp proof membrane | Chrysotile               | 140lm            |
| Sample 30  | House Building, First Floor. 1.01 Room 1, Artex coating to plasterboard ceiling                           | Identified              | Artex                                 | Chrysotile               | 20m <sup>2</sup> |
| Sample 31  | House Building, First Floor. 1.02 Room 2, Artex coating to plasterboard ceiling                           | Identified              | Artex                                 | Chrysotile               | 6m <sup>2</sup>  |
| Sample 32  | House Building, First Floor. 1.03 Room 4, Artex coating to plasterboard ceiling                           | Identified              | Artex                                 | Chrysotile               | 26m <sup>2</sup> |
| Visual 1   | House Building, First Floor. 1.10 External, Cement undercloaking to high level pitch roofs                | Presumed                | Asbestos Cement                       | Crocidolite (or unknown) | 30lm             |

# Envirochem Analytical Laboratories Ltd.

## Appendix 3 - List of Negative Samples

Page 24 of 35

**Site Address** 38-44 London Road, Purbrook, Waterlooville, PO7 5LJ  
**Date of Survey** 1st August 2017 to 2nd August 2017  
**Reference Number** J125588  
**Surveyors** Paul Harper

| Sample No.     | Location                                                                                                             | Product Type                  |
|----------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Sample 1       | Out Building (Car Sales), Ground Floor. G.01 Store, Vinyl floor lay (red)                                            | Vinyl tile                    |
| Sample 2       | Out Building (Car Sales), Ground Floor. G.02 Kitchen, Textured coating to block walls continues behind wooden panels | Artex                         |
| Sample 4       | Out Building (Car Sales), Ground Floor. G.03 Office, Textured coating to plasterboard ceiling                        | Artex                         |
| Sample 5       | Out Building (Car Sales), External. E.01 ., Typical filler to window frames                                          | Putty                         |
| Sample 6       | Out Building (Car Sales), External. E.01 ., Felt lining to high level wall (red)                                     | Felt                          |
| Sample 7       | Out Building (Car Sales), External. E.01 ., Corrugated cement roof sheets covering whole of building                 | New cement                    |
| Sample 8       | Out Building (Stores), Ground Floor. G.01 Store, Corrugated cement roof sheets debris to floor                       | Non Asbestos Insulating Board |
| Sample 9       | Out Building (Stores), Ground Floor. G.01 Store, High level felt lining to pitch of roof                             | Felt                          |
| Sample 10      | Workshop Building, First Floor. 1.01 Office 1, Vinyl floor lay (green)                                               | Vinyl lay                     |
| Sample 13      | Workshop Building, First Floor. 1.02 Gents Toilets, Vinyl floor lay (brown)                                          | Vinyl lay                     |
| Sample 14      | Workshop Building, First Floor. 1.02 Gents Toilets, Bitumen pads to underside of sink and drainer                    | Bitumen                       |
| Sample 15      | Workshop Building, First Floor. 1.03 Ladies Toilets, Vinyl floor lay (grey)                                          | Vinyl lay                     |
| Sample 16      | Workshop Building, Ground Floor. G.06 Office 2, Vinyl floor lay (grey)                                               | Vinyl lay                     |
| Sample 17      | Workshop Building, Ground Floor. G.06 Office 2, Textured coating to plasterboard ceiling                             | Artex                         |
| Sample 18      | Workshop Building, Ground Floor. G.08 Bay 4, Insulation board debris to floor running along west and east side walls | Non Asbestos Insulating Board |
| Sample 19      | Workshop Building, Ground Floor. G.08 Bay 4, Textured coating to west side partition walls                           | Artex                         |
| Sample 20      | Workshop Building, Ground Floor. G.08 Bay 4, Textured coating to ceiling                                             | Artex                         |
| Sample 21      | Workshop Building, Ground Floor. G.08 Bay 4, Textured coating to partition walls east side                           | Artex                         |
| Sample 25      | Workshop Building, External. E.01 External, Felt roof lining to sheds rear of bay 4                                  | Felt                          |
| Sample 27      | House Building, Ground Floor. G.01 Room 2, Vinyl floor lay blue top layer                                            | Vinyl lay                     |
| Ref. Sample 27 | House Building, First Floor. 1.05 Kitchen, Vinyl floor lay blue                                                      | Vinyl lay                     |
| Ref. Sample 27 | House Building, First Floor. 1.04 Ladies Toilets, Vinyl floor lay blue                                               | Vinyl lay                     |

# Envirochem Analytical Laboratories Ltd.

## Appendix 3 - List of Negative Samples

Page 25 of 35

**Site Address** 38-44 London Road, Purbrook, Waterlooville, PO7 5LJ

**Date of Survey** 1st August 2017 to 2nd August 2017

**Reference Number** J125588

**Surveyors** Paul Harper

|                |                                                                                                       |           |
|----------------|-------------------------------------------------------------------------------------------------------|-----------|
| Ref. Sample 27 | House Building, First Floor. 1.06 Gents Toilets, Vinyl floor lay blue                                 | Vinyl lay |
| Ref. Sample 27 | House Building, First Floor. 1.07 Room 5, Vinyl floor lay blue                                        | Vinyl lay |
| Ref. Sample 27 | House Building, Ground Floor. G.02 Room 3, Vinyl floor lay blue                                       | Vinyl lay |
| Ref. Sample 27 | House Building, Ground Floor. G.03 Room 2, Vinyl floor lay blue                                       | Vinyl lay |
| Sample 28      | House Building, Ground Floor. G.01 Room 2, Vinyl floor lay grey bottom layer                          | Vinyl lay |
| Sample 29      | House Building, Ground Floor. G.01 Room 2, Textured coating to plaster ceiling under plaster skim     | Artex     |
| Sample 33      | House Building, First Floor. 1.04 Ladies Toilets, Artex coating to plasterboard partition wall        | Artex     |
| Ref. Sample 33 | House Building, First Floor. 1.05 Kitchen, Artex coating to plasterboard partition wall               | Artex     |
| Sample 34      | House Building, First Floor. 1.05 Kitchen, Sink pad to under side of unit                             | Bitumen   |
| Sample 35      | House Building, First Floor. 1.08 Internal, Ground/1st floor typical felt lining behind/under windows | Felt      |
| Sample 36      | House Building, First Floor. 1.09 Roof Voids, Felt lining to pitch of roof of upper roof voids        | Felt      |

## APPENDIX 4 - Photographs

**Sample 3:** Out Building (Car Sales). Ground Floor. Kitchen. Textured coating to plasterboard ceiling



**Sample 11:** Workshop Building. Ground Floor. Office 1. Woven flash pads within fuse box



**Ref. Sample 11:** Workshop Building. Ground Floor. Bay 2. Woven flash pads within fuse boxes to north east corner



**Ref. Sample 11:** Workshop Building. Ground Floor. Bay 3. Woven flash pads within high level fuse box north west corner



**Sample 12:** Workshop Building. Ground Floor. Office 2. Insulation board ceiling panels and panels to under side of stairs



**Ref. Sample 12:** Workshop Building. Ground Floor. Lobby 1/Stairs 2. Insulation board ceiling/wall panels



**Sample 22:** Workshop Building. External. External. Corrugated cement roof sheets covering all areas



**Sample 23:** Workshop Building. External. External. Loose corrugated cement roof sheets adjacent oil tanks



**Sample 24:** Workshop Building. External.  
External. Cement downpipe/guttering to  
east/west sides of bay 4 section



**Sample 26:** Workshop Building. External.  
External. Typical damp proof course surrounding  
building



**Sample 30:** House Building. First Floor. Room  
1. Artex coating to plasterboard ceiling



**Sample 31:** House Building. First Floor. Room  
2. Artex coating to plasterboard ceiling



**Sample 32:** House Building. First Floor. Room 4. Artex coating to plasterboard ceiling



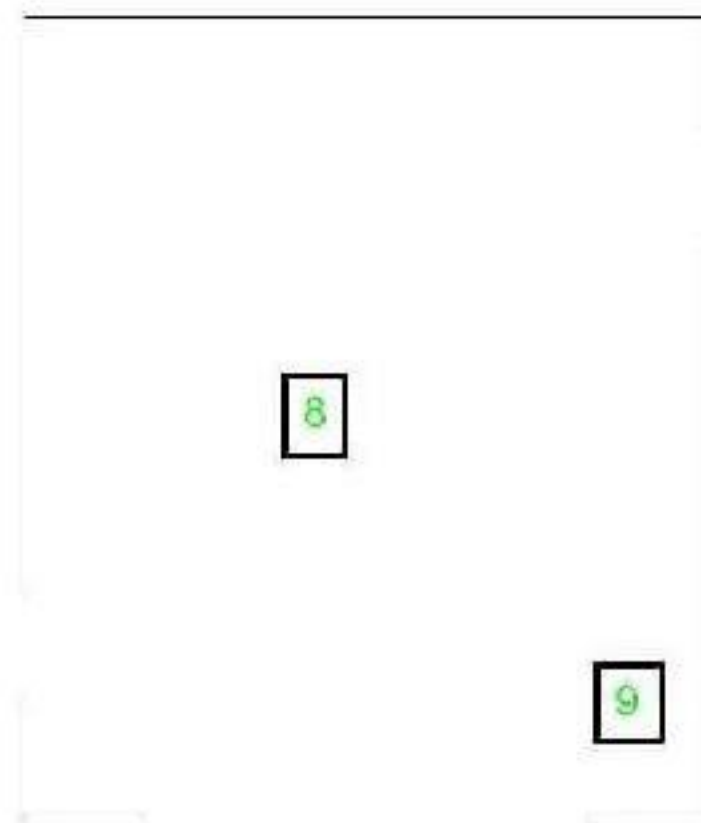
**Visual 1:** House Building. First Floor. External. Cement undercloaking to high level pitch roofs



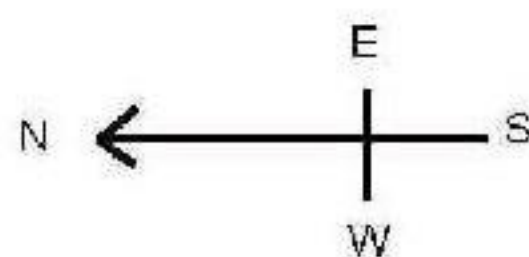
## APPENDIX 5 - Marked Plans

Client: McCarthy & Stone (Developments) Limited  
Site: 38-44 London Road  
Purbrook  
Waterlooville  
PO7 5LJ

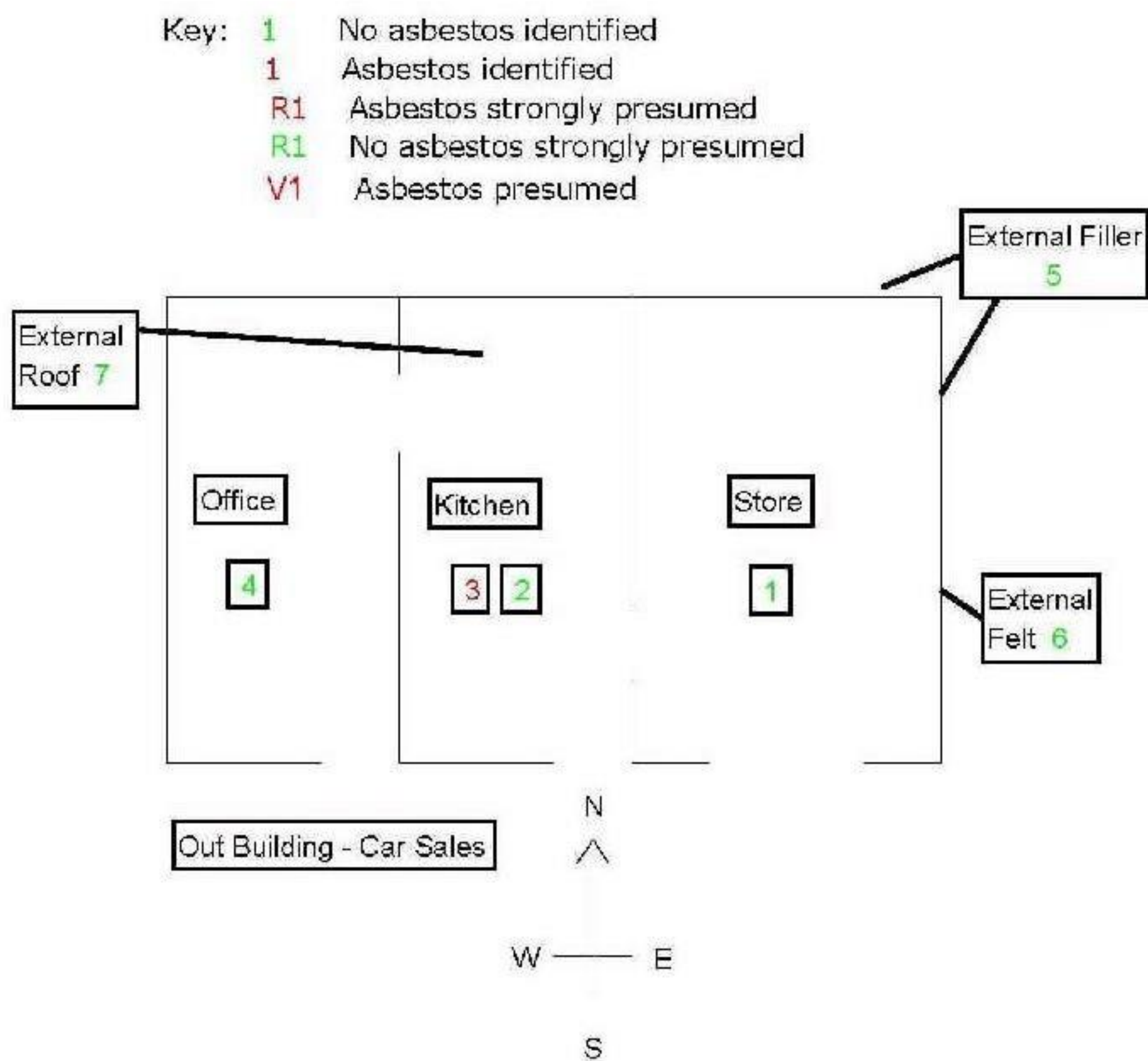
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1 Asbestos identified  
R1 Asbestos strongly presumed  
R1 No asbestos strongly presumed  
V1 Asbestos presumed



Outbuilding - Stores



Client: McCarthy & Stone (Developments) Limited  
Site: 38-44 London Road  
Purbrook  
Waterlooville  
PO7 5LJ



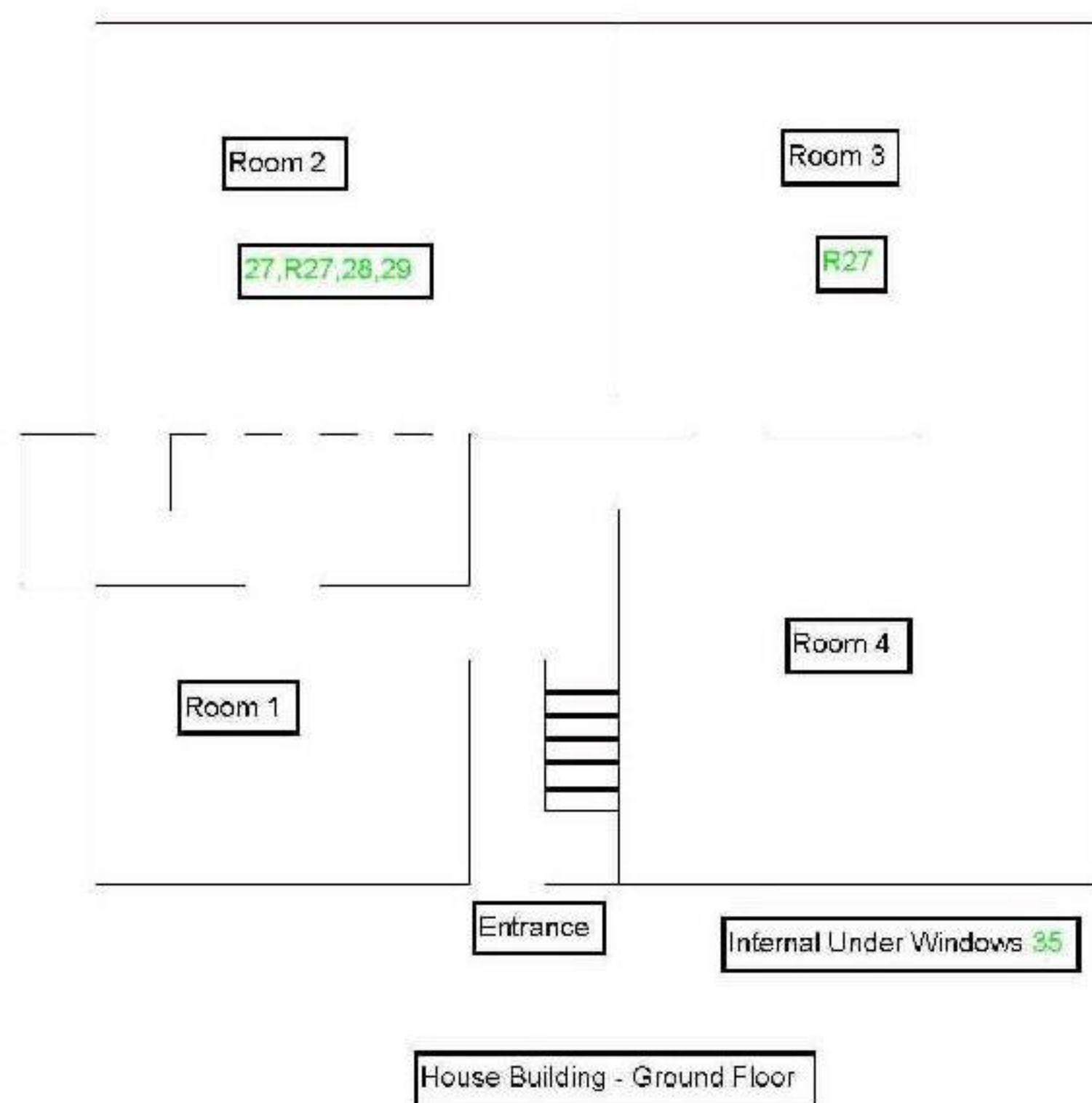


Key: 1 No asbestos identified  
1 Asbestos identified  
R1 Asbestos strongly presumed  
R1 No asbestos strongly presumed  
V1 Asbestos presumed



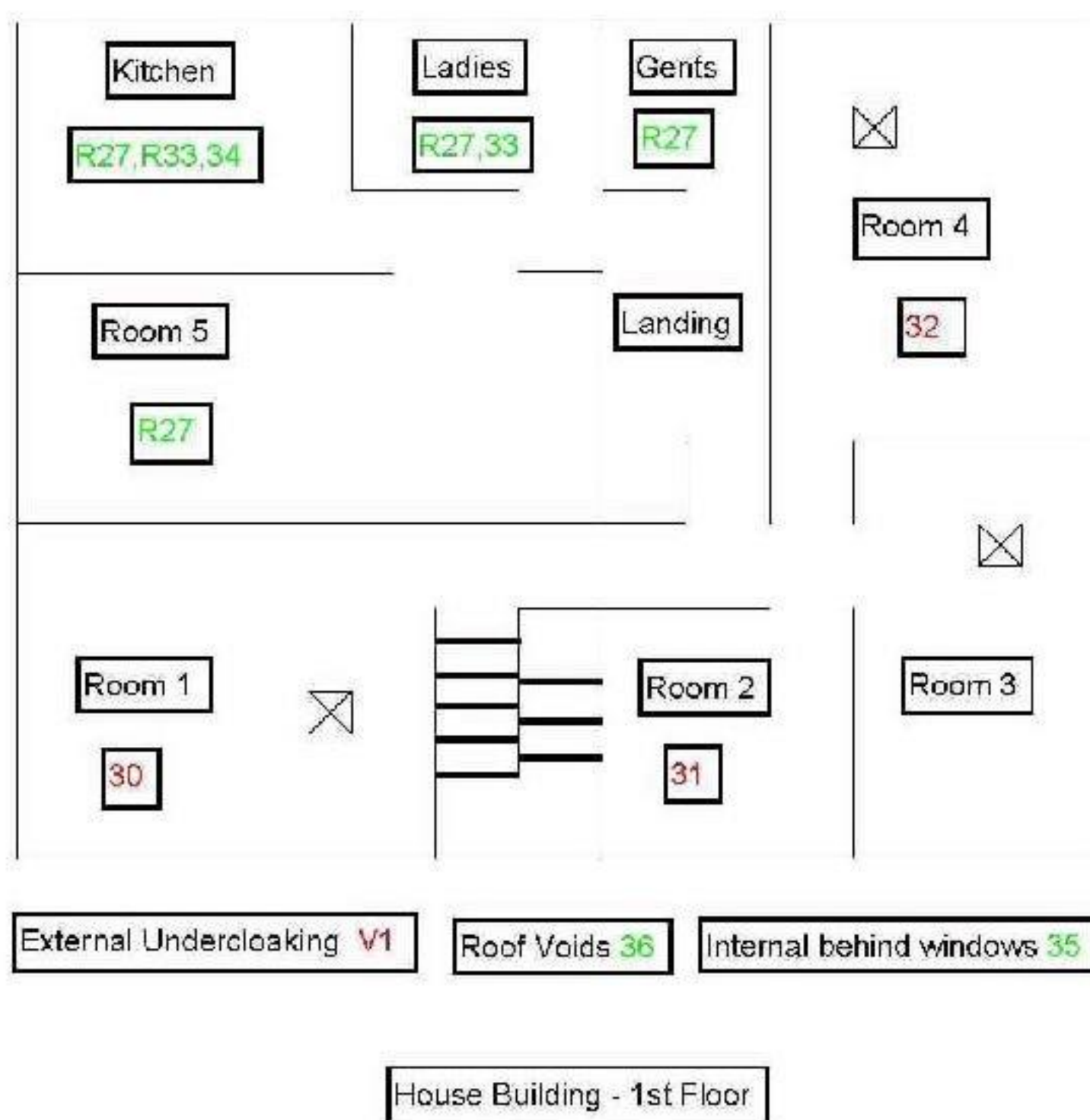
Client: McCarthy & Stone (Developments) Limited  
Site: 38-44 London Road  
Purbrook  
Waterlooville  
PO7 5LJ

Key: 1 No asbestos identified  
1 Asbestos identified  
R1 Asbestos strongly presumed  
R1 No asbestos strongly presumed  
V1 Asbestos presumed



Client: McCarthy & Stone (Developments) Limited  
Site: 38-44 London Road  
Purbrook  
Waterlooville  
PO7 5LJ

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1 Asbestos identified  
R1 Asbestos strongly presumed  
R1 No asbestos strongly presumed  
V1 Asbestos presumed



Client: McCarthy & Stone (Developments) Limited  
Site: 38-44 London Road  
Purbrook  
Waterlooville  
PO7 5LJ

Key: 1 No asbestos identified  
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R1 Asbestos strongly presumed  
R1 No asbestos strongly presumed  
V1 Asbestos presumed

