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# HAZARDOUS MATERIALS ASSESSMENT REPORT

Client: Cape Cod Australia Pty. Limited

**Job details:** Owner/s: Mr. N. & Mrs. R. Perkin

Location: 21 Australia Avenue, Matraville NSW

Plans for Job No: 7608/14 Revision No: F Dated: 10-04-15

Council area: RANDWICK CITY

Date of assessment: 27<sup>th</sup> April 2015

Our reference: HM03894315

#### The Client acknowledges that:

This report is provided for **the exclusive information of the Client**. It is a term and condition of the terms upon which this report is provided, that if the Client chooses to rely upon the report, that the Company and the Person making this report will not be liable to the Client or to any other Person who suffers personal or property damage or financial loss in respect of any cause of action or tort, contract or however the cause of action is said to arise.

This report is **not a guarantee or warranty** or an all-encompassing report dealing with the above property from every aspect. It is based on the condition of the property and the "**Readily Accessible Areas**" at the time of assessment. It is a reasonable attempt to identify as far as *reasonably practicable*, any significant hazardous materials i.e. materials "that may" contain asbestos [ACM] or [ACD], ceiling dusts "that may" contain lead, paints "that may" contain lead or synthetic mineral fibres [SMF], **visible** at the time of assessment.

This report, based on visual assessment, will not disclose hazardous materials in inaccessible areas, not readily accessible or obstructed at the time of assessment. Areas which are not normally accessible were not assessed and include but are not limited to – inside walls, the interior of a flat roof or beneath a suspended floor filled with earth.

This report is **not a Certificate of Compliance** with the requirements of the WHS Act 2011 and WHS Regulations 2011, relevant Codes of Practice or Australian Standards or NSW Office of Environment and Heritage [OEH] Regulations.



Front northern elevation of the residence

# 1. GENERAL DESCRIPTION OF THE EXISTING RESIDENCE

| Estimated age:   | Original residence is approximately circa 1920 -1930. First floor addition is circa 1973.   |  |  |  |  |  |
|--|---|--|--|--|--|--|
| <b>Type of construction:</b> Freestanding double storey residence. The ground floor level is brick / brick cavity construction on sandstone block footings with internal piers supporting a suspended timber floor system. The floor is timber framed and clad construction with deep timber joists. |   |  |  |  |  |  |
| External cladding:   | Clay masonry brick work to the ground floor level. Possible asbestos cement [ACM] weatherboard cladding to the first floor level.   |  |  |  |  |  |
| Roof:  | Original roof structure is a traditional cut hipped and valley structure with front gable and terra cotta roofing tiles. First floor addition is a traditional cut and pitched gable ended roof structure with terra cotta roofing tiles. |  |  |  |  |  |

Occupancy Status: Was the residence occupied at the time of assessment?

**Orientation:** For the purpose of this report the front of the residence faces:

| East | West | North | ✓ | South | Northeast | Northwest | Southeast | Southwest |  |
|------|------|-------|---|-------|-----------|-----------|-----------|-----------|--|
|      |      |       |   |       |           |           |           |           |  |

# 2. AREAS ASSESSED

This assessment covers the following "Readily Accessible Areas" of the existing residence layout to identify as far as reasonably practicable any significant hazardous materials i.e. materials "that may" contain asbestos [ACM] or [ACD], ceiling dusts "that may" contain lead, paints "that may" contain lead or synthetic mineral fibre insulation [SMF].

# 3. ASSESSMENT OF THE EXISTING RESIDENCE LAYOUT FOR HAZARDOUS MATERIALS

| Area Assessed        | Description and Comment   | Assessment / Action   |
|----------------------|---|---|
| Under Floor<br>Space | No readily or accessible access is provided.  |   |
| -                    | Note: no work is proposed in this area.   |   |
| Exterior             |   |   |
| Cladding             | Clay brickwork to original ground floor level.  | Appropriate dust suppression measures to be provided.   |
|                      |   | No further action is required.  |
|                      | Lath and rough texture plaster to the front gable end.  Note: not associated with the proposed  | No action is required.  |
|                      | Contract works.   |   |
|                      | Possible asbestos cement sheet to the framed walls of the Kitchen and external Laundry / Storage room  Note: Kitchen and external Laundry / Storage room to be completely demolished as part of the proposed Contract work. | 26.0m² Remove and dispose of the possible ACM wall cladding in a manner approved by WorkCover NSW, NSW OEH and Randwick City Council. See attached Safe Work Method Statement for the removal of material that may contain asbestos [ACM]. Appropriate dust suppression measures to be provided. No further action is required. |
|                      | Possible asbestos cement [ACM] weatherboards to the first floor framed walls including gable ends.  Note: cladding to be completely removed and replaced with new cladding as part of the proposed Contract works.          | 70.0m² Remove and dispose of the possible ACM weatherboards in a manner approved by WorkCover NSW, NSW OEH and Randwick City Council. See attached Safe Work Method Statement for the removal of material that may contain asbestos [ACM]. Appropriate dust suppression measures to be provided. No further action is required. |
| Eave soffit lining   | Probable asbestos cement [ACM] to the original ground floor level eaves and front gable soffit.  Note: existing eaves to be removed and replaced including barge and fascia boards as part of the proposed Contract work.   | Remove and dispose of the probable ACM eave soffits in a manner approved by WorkCover NSW, NSW OEH and Randwick City Council. See attached Safe Work Method Statement for the removal of material that may contain asbestos [ACM]. Appropriate dust suppression measures to be provided. No further action is required.         |

| Area Assessed              | Description and Comment  | Assessment / Action   |
|----------------------------|--|---|
| Eave soffit lining [cont.] | Possible asbestos cement [ACM] to the first floor addition eaves.  Note: existing eaves to be removed and replaced including barge and fascia boards as part of the proposed Contract work.                          | Remove and dispose of the probable ACM eave soffits in a manner approved by WorkCover NSW, NSW OEH and Randwick City Council. See attached Safe Work Method Statement for the removal of material that may contain asbestos [ACM]. Appropriate dust suppression measures to be provided. No further action is required.   |
| Roofing                    | Terra cotta tiles to the original roof surfaces.  Note: existing roofing tiles to be removed and replaced as part of the proposed Contract work.   | Appropriate dust suppression measures to be provided.  No further action is required.   |
|                            | Terra cotta tiles to the first floor addition roof surfaces.  Note: existing roofing tiles to be removed and replaced as part of the proposed Contract work.   | Appropriate dust suppression measures to be provided.  No further action is required.   |
|                            | Bitumen based flat roof over the Sunroom.  Note: not associated with the proposed Contract works.  | No action is required.  |
|                            | Probable corrugated profile asbestos cement [ACM] roofing sheets over the Kitchen area.  Note: Kitchen to be completely demolished as part of the proposed Contract work.  | Remove and dispose of the probable ACM roofing sheets in a manner approved by WorkCover NSW, NSW OEH and Randwick City Council. See attached Safe Work Method Statement for the removal of material that may contain asbestos [ACM]. Appropriate dust suppression measures to be provided. No further action is required. |
|                            | Probable corrugated profile asbestos cement [ACM] roofing sheets over the External Laundry / Storage room.  Note: External Laundry / Storage room to be completely demolished as part of the proposed Contract work. | Remove and dispose of the probable ACM roofing sheets in a manner approved by WorkCover NSW, NSW OEH and Randwick City Council. See attached Safe Work Method Statement for the removal of material that may contain asbestos [ACM]. Appropriate dust suppression measures to be provided. No further action is required. |

| Area Assessed  | Description and Comment   | Assessment / Action  |  |
|--|---|--|--|
| Rear patio   | Attached lightweight metal awning structure with a flat roof and pan profile sheet metal roofing.  Note: structure to be completely demolished including concrete slab as part of the proposed Contract work. | Remove and dispose of the sheet metal roofing in a manner approved by WorkCover NSW, NSW OEH and Randwick City Council.  Appropriate dust suppression measures to be provided.  No further action is required. |  |
| Hot Tub Area   | Concrete slab only.  Note: not associated with the proposed Contract works - hot tub to be removed and slab to be demolished by 'Owner'   | Appropriate dust suppression measures to be provided.  No further action is required.  |  |
| Painting - general   | Combination of oil based and acrylic based surface coating to clad walls, timber windows, barges, fascias, eaves, and trims.  No exposed lead based paints were observed.                                     | Appropriate dust suppression measures to be provided.  No further action is required.  |  |
| Interior Ground FI   | oor   |  |  |
| Entry  | Painted cement render to the walls. Fibrous plaster ceiling with square set wall / ceiling junction.  Note: not associated with the proposed Contract works.  | No action is required.   |  |
| Bedroom 1  Note: Shown as Bedroom 4 on Construction Drawing 4 of 9 for Job No. 7608/14 | Painted cement render to the walls. Fibrous plaster ceiling with square set wall / ceiling junction.  Note: not associated with the proposed Contract works.  | No action is required.   |  |
| Bathroom  Note: completely renovated in 2012   | Wall tiles from floor to ceiling level. Plasterboard ceiling with cove profile plaster cornice.  Note: not associated with the proposed Contract works.   | No action is required.   |  |
| Sun room   | Painted cement render to the walls. Timber lining boards on top of exposed timber rafters / joists to the ceiling.  Note: not associated with the proposed Contract works.                                    | No action is required.   |  |

| Area Assessed   | Description and Comment   | Assessment / Action   |
|---|---|---|
| Living / Dining   | Combination of painted cement rendered walls and vertical plywood panelling to the walls of the stairwell.  Fibrous plaster ceiling with square set wall / ceiling junction.  Note: not associated with the proposed Contract works.  | No action is required.  |
| Bedroom 2 Note: Shown as Bedroom 5 on Construction Drawing 4 of 9 for Job No. 7608/14 | Painted cement render to the walls. Plasterboard ceiling with cove profile plaster cornices.  Note: not associated with the proposed Contract works.  | No action is required.  |
| Kitchen  Note: raked ceiling with skylight  | Combination of painted cement rendered walls and hardboard lining to the framed section of the walls.  Probable hardboard ceiling lining with timber mould cornice.  Note: to be completely demolished as part of the proposed Contract work.   | Appropriate dust suppression measures to be provided.  No further action is required.   |
| External Laundry / Storage  | Combination of painted brickwork and probable asbestos cement [ACM] sheet with plastic joint moulds to the framed walls.  Possible asbestos cement [ACM] sheet with plastic joint moulds to the framed walls.  Note: to be completely demolished as part of the proposed Contract work. | Remove and dispose of the probable ACM wall and ceiling lining in a manner approved by WorkCover NSW, NSW OEH and Randwick City Council.  See attached Safe Work Method Statement for the removal of material that may contain asbestos [ACM].  Appropriate dust suppression measures to be provided.  No further action is required. |
| Painting - general  | Combination of oil based and acrylic based surface coating to ceilings, walls, doors, windows and trims.  No exposed lead based paints were observed.   | Appropriate dust suppression measures to be provided.  No further action is required.   |

| Area Assessed  | Description and Comment   | Assessment / Action  |
|--|---|--|
| Interior First Floor   | r   |  |
| Stairwell / Gallery Note 1: Shown as gallery /and Bedroom 3`on Construction Drawing 5 of 9 for Job No. 7608/14 Note 2: partial splayed ceiling line                  | Plasterboard wall lining.  Plasterboard ceiling lining with timber mould cornice.  Note: new door opening in common wall with Bathroom to be created; partial wall with Bedroom to be demolished and new frame wall erected including new door opening new door opening; new framed wall with stairwell to be erected to form Bedroom 3; existing window in eastern wall to be removed and replaced; existing window in rear southern wall to be removed and opening adjusted for door opening to rear addition; and all surfaces to be made good as part of the proposed Contract works. | Appropriate dust suppression measures to be provided.  No further action is required.  |
| Bedroom Note 1: Shown as Bedroom 2 on Construction Drawing 5 of 9 for Job No. 7608/14 Note 2: partial splayed ceiling line Note 3: access to the original roof space | Plasterboard wall lining.  Plasterboard ceiling lining with timber mould cornice.  Note: existing door opening with Bathroom to be blocked up; partial wall with Gallery to be demolished and new frame wall erected including new door opening new door opening new door opening to be created in common framed wall with the Gallery; existing windows to be removed and replaced; and all surfaces to be made good as part of the proposed Contract works.   | Appropriate dust suppression measures to be provided.  No further action is required.  |
| Bathroom / Shower Note 1: partial splayed ceiling line Note 2: access to the first floor level roof space  | Possible asbestos cement [ACM] wall lining with wall tiles to 1.2m.  Possible asbestos cement [ACM] ceiling lining with timber mould cornice.  Note: existing door opening with Bedroom to be blocked up; new door opening to be created in common framed wall with the Gallery; exiting window to be removed and replaced; and all surfaces to be made good as part of the proposed Contract works.  | Remove and dispose of the possible ACM wall lining in a manner approved by WorkCover NSW, NSW OEH and Randwick City Council.  See attached Safe Work Method Statement for the removal of material that may contain asbestos [ACM].  All necessary steps are to be taken to protect the possible ACM retained wall and ceiling linings from damage during the course of the works.  Appropriate dust suppression measures to be provided.  No further action is required. |

| Area Assessed               | Description and Comment   | Assessment / Action  |
|-----------------------------|---|--|
| Painting - general          | Combination of oil based and acrylic based surface coating to ceilings, walls, doors, windows and trims.  | Appropriate dust suppression measures to be provided.  No further action is required.  |
|                             | No exposed lead based paints were observed.   |  |
| Ground floor<br>Roof Cavity | Traditional cut and pitched timber roof structure and ceiling frame.  Note 1: existing roofing tiles, barge and fascia boards to be to be removed and replaced as part of the proposed Contract works.  Sarking is provided to the underside of the terra cotta tiles.  Synthetic mineral fibre [SMF] batt insulation within the roof space.  Note 2: insulation to be retained as part of  | In our opinion the air quality will not be generally affected during the course of the replacement of the roofing tiles.  Remove and dispose of the existing foil sarking in a manner approved by NSW OEH and Randwick City Council.  Appropriate dust suppression measures to be provided.  No further action is required.  |
|                             | the proposed Contract works.  Minimal ceiling dust was noted.   |  |
| First floor Roof<br>Cavity  | Traditional cut and pitched timber roof structure and ceiling frame.  Note 1: rear section of the roof structure to be adjusted to accommodate the first floor addition as part of the proposed Contract works.  Note 2: existing roofing tiles, barge and fascia boards to be to be removed and replaced as part of the proposed Contract works.  Sarking is provided to the underside of the terra cotta tiles.  Synthetic mineral fibre [SMF] batt insulation over all the roof space.  Note 3: insulation to be retained as part of the proposed Contract works.  Minimal ceiling dust was noted. | In our opinion the air quality will not be generally affected during the course of the removal of the roofing tiles and construction of the first floor addition.  Remove and dispose of the existing foil sarking in a manner approved by NSW OEH and Randwick City Council.  Appropriate dust suppression measures to be provided.  No further action is required. |
| Electrical Meter<br>Board   | Located on western wall of the front patio. In our opinion the existing meter board complies with current industry and Supply Authority requirements.  Note: to be retained in current position as part of the proposed Contract works.   | No action is required.   |
| Garage                      | Freestanding timber framed and clad structure with a pitched gable ended roof and corrugated profile sheet metal roofing.  Probable asbestos cement [ACM] sheet wall cladding.  Note: not associated with the proposed Contract works.  | All necessary steps are to be taken to protect the probable ACM cladding from damage during the course of the works.   |

| Area Assessed | Description and Comment  | Assessment / Action  |
|---------------|--|--|
| Shed          | Freestanding timber framed and clad structure with a flat roof and corrugated profile sheet metal roofing. | All necessary steps are to be taken to protect the probable ACM cladding from damage during the course of the works. |
|               | Probable asbestos cement [ACM] sheet wall cladding.  |  |
|               | <b>Note:</b> not associated with the proposed Contract works.  |  |
|               | of materials " <i>that may</i> " contain be be removed as part of the proposed                             | 159.0m <sup>2</sup>  |

#### **DEMOLITION WORK PLAN**

The partial demolition of the residence and the removal, storage, handling and disposal of building materials must be carried out as far as *reasonably practicable* in accordance with the following Regulations;

- Work Health and Safety Act 2011 and Work Health and Safety Regulations 2011
- WorkCover NSW Code of Practice How to manage and control asbestos in the workplace
- Safe Work Australia Code of Practice How to safely remove asbestos
- NSW Work Health and Safety (Hazardous Substances) Regulation 2001
- NSW Work Health and Safety (Asbestos Removal Work) Regulation 2001
- Australian Standard AS2601 [2001] Demolition of Structures
- NSW Protection of the Environment Operations Act [1997]
- NSW Protection of the Environment Operations [Waste] Regulation [2005]
- NSW Office of Environment and Heritage [OEH] Regulations and Guidelines

A Demolition Work Plan must be submitted to RANDWICK CITY Council and the Principal Certifying Authority (PCA) if RANDWICK CITY Council is not the PCA, not less than five [5] working days **before commencing any demolition works** involving products or materials "that may" contain asbestos [ACM].

A copy of the Demolition Work Plan must be maintained on site and be made readily accessible to the Council Officer or 'workers' upon request.

#### ASBESTOS [ACM] REMOVAL CONTROL PLAN

### Safe Work Method Statement - Removal & Disposal of Materials that may contain Asbestos

Any work involving the demolition, storage and disposal of products or materials "that may" contain asbestos [ACM] must be carried out as far as is reasonably practicable to minimise the release of airborne asbestos dust and fibres [ACD] in accordance with the following requirements;

- Relevant Work Health and Safety legislation including but not limited to WorkCover NSW Code of Practice How to manage and control asbestos in the workplace; Safe Work Australia Code of Practice How to safely remove asbestos and NSW Office of Environment and Heritage [OEH] requirements.
- RANDWICK CITY Council Asbestos Policy as adopted 13 September 2005

- The person with Management Control of the workplace and the licensed Asbestos Removalist must, so far as is reasonably practicable, and before commencing the asbestos [ACM] removal work, consult with and inform the following people about the asbestos [ACM] removal work and when the work will commence, so as to eliminate or minimise the exposure of the risks associated with asbestos:
  - The person who commissioned the asbestos removal work [Site Management]
  - A person conducting a business or undertaking at the workplace [Contractors]
  - The occupants of the domestic premises [Owner or Tenant]
  - Anyone occupying premises in the immediate vicinity of the workplace [Neighbours]
- All work procedures are to be devised as far as is reasonably practicable, to minimise the release of dust and fibres [ACD].
- Appropriate warning signage and barricades are to be erected to prevent as far as is reasonably practicable, entry of anyone not connected with the removal activity into the work area.
- The sign must be clearly displayed in a prominent visible position at the front of the site; containing the words "DANGER ASBESTOS REMOVAL IN PROGRESS" and including the details of the licensed Asbestos Removal Contractor [PCBU].
- When working with products and materials "that may" contain asbestos [ACM] all 'workers' are to wear personal protective equipment [PPE] including coveralls and approved respiratory protective equipment [RPE] in accordance with the requirements of AS/NZS1716 Respiratory Protection devices and AS/NZS1715- Selection, use and maintenance of respiratory protective devices.
- As far as is reasonably practicable, use non powered hand tools for the removal of the materials that may contain asbestos [ACM] as these generate much less dust [ACD]. Do not use abrasive cutters and sanders, scrub or water blast the surface of products and materials "that may" contain asbestos [ACM].
- All products and materials "that may" contain asbestos [ACM] are to be kept damp to minimise
  as far as is reasonably practicable the generation of airborne asbestos dust and fibres [ACD].
   Prevent and or contain excess run off water.
- Where it is *reasonably practicable* work in well ventilated areas.
- Use drop sheets to collect debris of materials that may contain asbestos [ACM]. Dispose of smaller products and materials "that may" contain asbestos [ACM] pieces and collected dust [ACD] in recommended heavy duty plastic bags which are clearly labelled "asbestos waste".
- Wet clean or use approved vacuum cleaning equipment [HEPA] which complies with AS/NZS 603335.2.69 Industrial vacuum cleaners. Household vacuum cleaners must never be used where asbestos [ACM] or [ACD] is or may be present, even if the unit has a HEPA filter.
- Wall cladding and ceiling lining sheets "that may" contain asbestos [ACM] are not to be reused.
- All products and materials "that may" contain asbestos [ACM] or [ACD] are to be stored, transported and disposed of in accordance with the NSW Protection of the Environment Operations Act [1997] and NSW Protection of the Environment Operations [Waste] Regulation [2005]

- All products and materials "that may" contain asbestos [ACM] or [ACD] is to be either wrapped
  in recommended heavy duty plastic sheeting or placed in leak proof lined bins or vehicles and
  appropriately covered and sealed.
- All products and materials "that may" contain asbestos [ACM] or [ACD] are to be stored in a secure area and removed from site as soon as is reasonably practicable in a covered leak proof vehicle.
- A Clearance Certificate of Statement, prepared by a suitably competent person i.e. an Occupational Hygienist, WorkCover NSW licensed Asbestos Removalist, licensed Asbestos Assessor or a "competent person" must be provided to Council upon completion of the works prior to an Occupation Certificate being issued, which confirms that the material "that may" contain asbestos [ACM] or [ACD] has been removed appropriately and the relevant Conditions of Consent have been satisfied.
- All products and materials "that may" contain asbestos [ACM] or [ACD] are to be disposed of as soon as is reasonably practicable, at a licensed asbestos disposal site and in a manner approved by WorkCover NSW, NSW Office of Environment and Heritage [OEH] or RANDWICK CITY Council.

### Safe Work Method Statement - Lead based Paints

All Contractors [PCBU's] and 'workers' involved in the cleaning, repairing or replacement of suspected lead based paint are to follow the following procedures in order to minimise as far as is reasonably practicable, health risks from lead based paints. These procedures include but are not limited to:

- Appropriate warning signage and barricades are to be erected to prevent as far as is reasonably practicable, entry of anyone not connected with the removal activity into the work area.
- When working with lead based paints all 'workers' are to wear personal protective equipment [PPE] including coveralls and an approved respiratory protective equipment [RPE] in accordance with the requirements of AS/NZS1716 Respiratory Protection devices and AS/NZS1715 Selection, use and maintenance of respiratory protective devices. Eye protection, complying with AS/NZS1336 and AS/NZS1337 whenever full face respirators are not used.
- The property Owner [Client] is to be advised to clear or cover personal effects in adjoining living spaces as much as is practical.
- Any openings between living areas are to be sealed prior to the commencement of any removal work of lead based paints to prevent as far as is reasonably practicable, dust entering the retained living areas.
- Use approved vacuum cleaning equipment [HEPA] which complies with AS/NZS 603335.2.69
   Industrial vacuum cleaners, to prevent as far as is reasonably practicable, the release of dust that may contain lead while it is being removed. Do not use household vacuum cleaners even if the unit has a HEPA filter.
- Dispose of collected lead based paint dust in sealed approved plastic bags which are clearly labelled.
- All dust containing lead or other contaminants is to be disposed of as far as reasonably practicable in a manner, and at a site, approved by WorkCover NSW, NSW Office of Environment and Heritage [OEH], appropriate disposal Authority or RANDWICK CITY Council.

#### 4. AREAS NOT ASSESSED

With the exception of the under floor area, all other areas associated with the proposed building works were able to be assessed.

#### 5. UNDETECTED HAZARDOUS MATERIALS

Due to the level of accessibility including the presence of obstructions the overall degree of risk of **undetected** hazardous materials is considered as far as *reasonably practicable* to be:

| Low | ✓ | Moderate |  | Moderate to High |  | High |  |
|-----|---|----------|--|------------------|--|------|--|
|-----|---|----------|--|------------------|--|------|--|

# **CONFIRMATION**

This document confirms that the existing residence layout described in this report has been assessed as far as *reasonably practicable* for the inclusion of hazardous materials i.e. materials "that may" contain asbestos [ACM] or [ACD], paints "that may" contain lead or synthetic mineral fibres [SMF] in the existing structure.

This assessment and report was carried out by: John Spindler

**Builders Licence No. 84050C** 

Signed for and on behalf of JONSPIN Building Services Pty. Limited

John Spindler

Date of Issue: 27<sup>th</sup> April 2015