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Waste Management Report



Prepared For: KX Architecture

Project: Development of 4 Units

Address: 8 Carpenter Street, Noble Park

Reference Number: 202405

Date: 23rd January 2024

Prepared by: Geokal Services Pty Ltd

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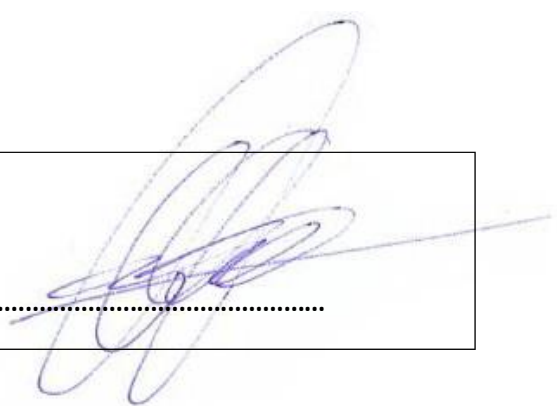
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PREPARED BY: Geokal Services

PROJECT: Development of 4 units

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SIGNED:.....

| Revision | Issue | Date |
|----------|-------------|-------------------------------|
| - | First Issue | 23 rd January 2024 |
| | | |



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1. SCOPE

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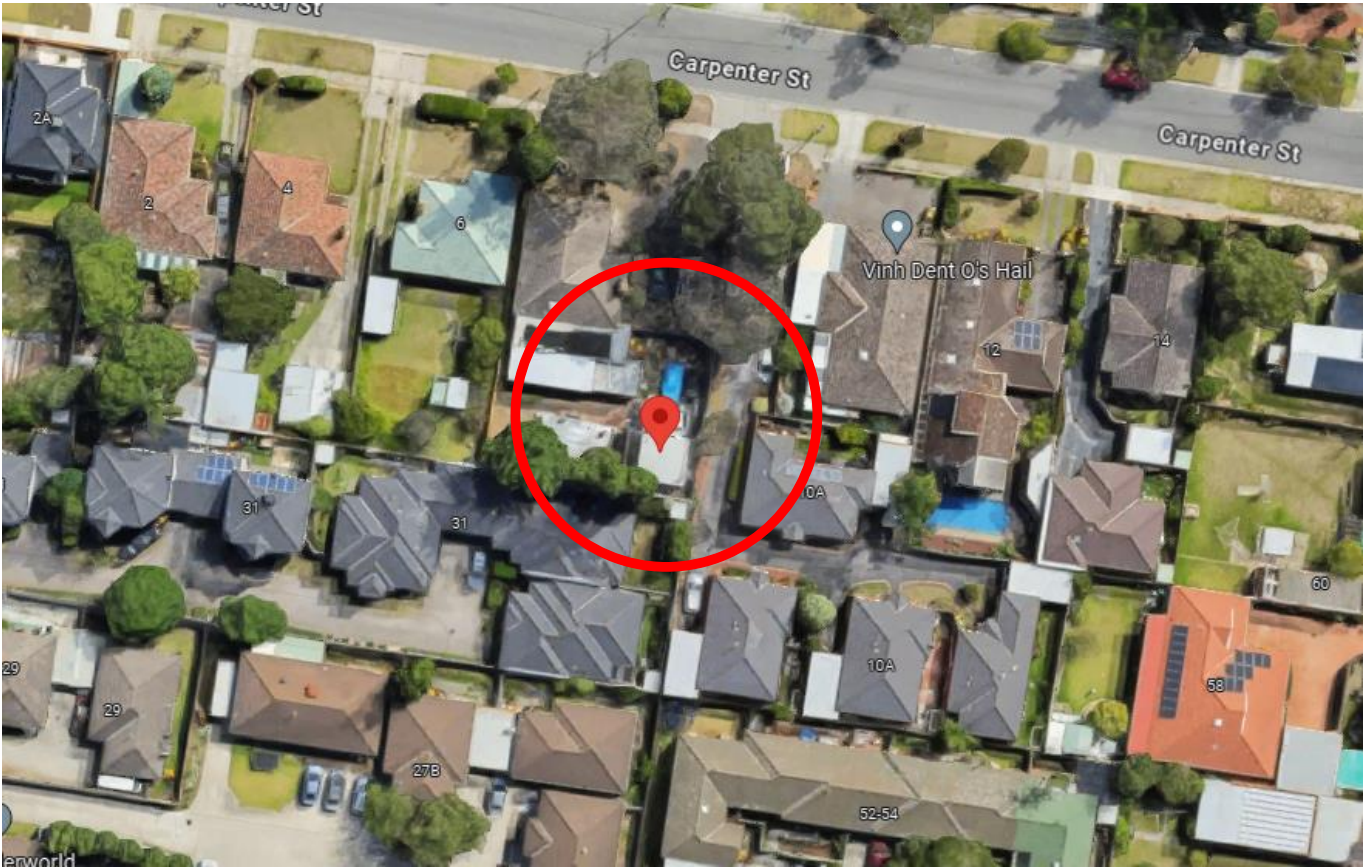
2. BUILDING DESCRIPTION

1.1. This report has been prepared for KX Architecture Pty Ltd. The scope of this report is to assess the proposed works at 111 Berkshire Road, Sunshine North. This report will address the requirements of Waste Management.

2.1. The proposed building consists of construction of 4 units. Some building characteristics which are to be noted are as follows:

Building Code Class of Building: 1a (dwelling)

Proposed development is located at 8 Carpenter Street, Noble Park. The proposed building site location is suburban and is surrounded by existing buildings, building has a frontage to Berkshire Road which will be the primary collection point for waste collection, all waste will be collected from the nature strip. The image along with the architectural drawings gives a clear indication of the above.

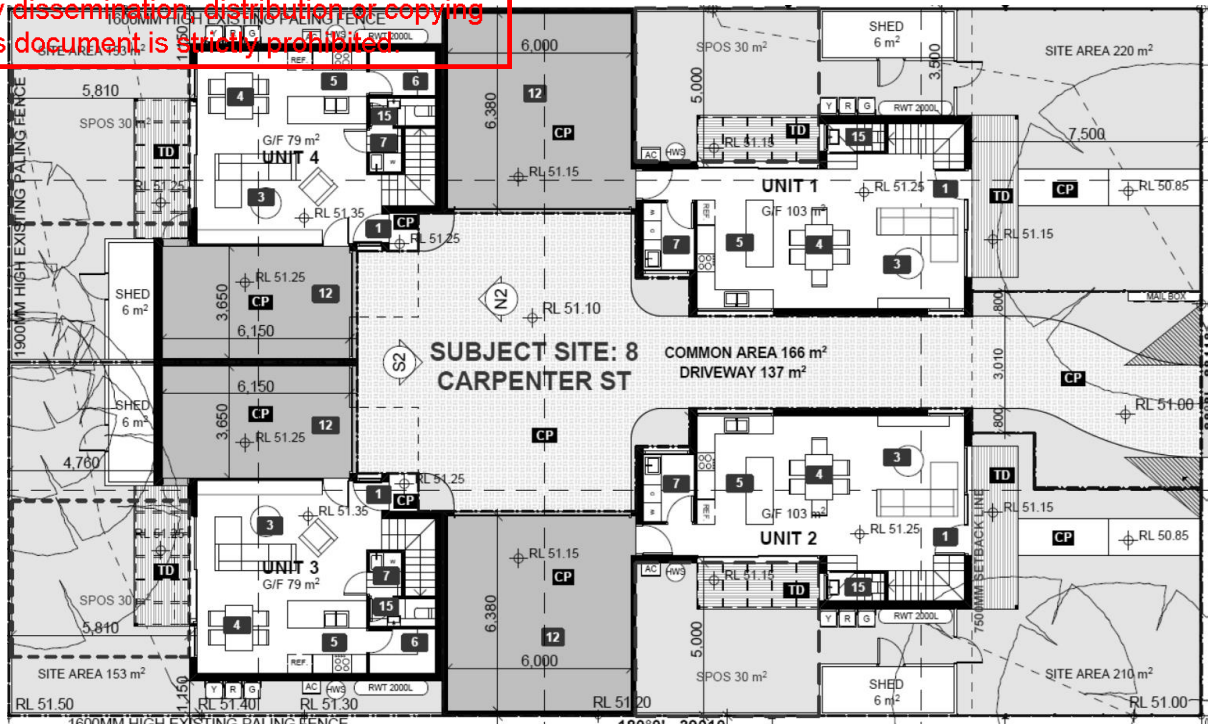




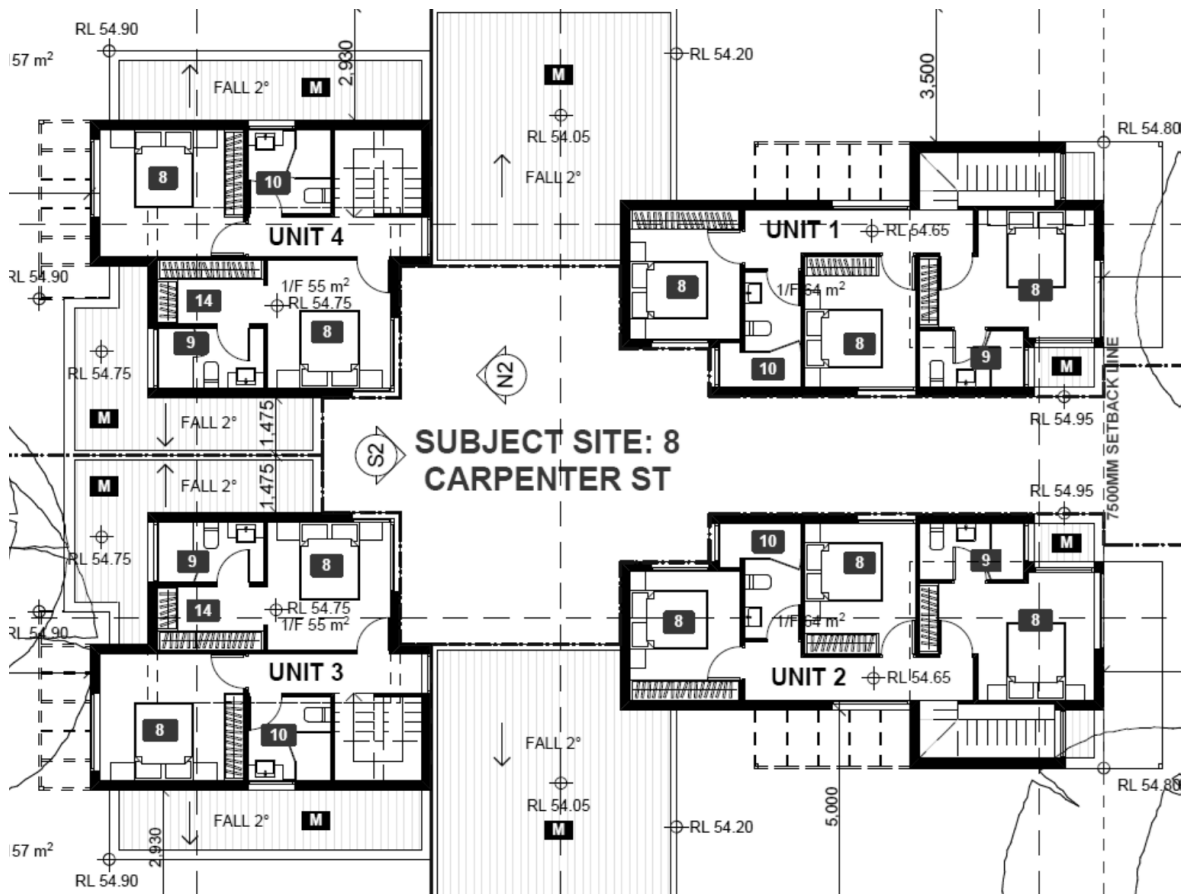
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The following plans were used during this assessment:

GROUND FLOORPLAN



FIRST FLOORPLAN





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3. DOCUMENTATION REVIEWED

3.1. Working Drawings (Town planning)

4. ASSESSMENT METHOD

4.1. This project has been assessed using the Melbourne City Waste Management Guide.

5. LIMITATIONS

- 5.1. This report is to be strictly used as a verification method of the proposed building and is not to be used for any of the following;
- Used in validation or reference to any other building which are not nominated in this report,

6. FINDINGS AND RESULTS

6.1. Waste Management Plan

Land Use Type

Proposed development will be new Residential dwellings intended to be located in Sunshine.
Overall building area of the site will be 902m²

Development is currently located in General Residential Zone (GRZ).

Waste Generation

Proposed development will generate recycling, garbage and green waste. A summary of the waste generation rates are nominate below

Daily Rates (Per dwelling)

| Occupants | Garbage | Recycling | Green waste |
|------------|--------------|--------------|--------------|
| Townhouses | 17.14 litres | 17.14 litres | 17.14 litres |

Weekly Rates(Per dwelling)

| Occupants | Garbage | Recycling | Green waste |
|-------------|------------|------------|-------------|
| Residential | 120 litres | 120 litres | 120 litres |

Below table outlines the proposed waste management plan for this site, all waste management will be undertaken by a Brimbank City Council.

| Bin Type | Size (Litres) | Bin Quantity | Collection Rate | Footprint (m2) | Diagram Colour (shown in appendix 1) |
|-------------|---------------|--------------------|-----------------|------------------|--------------------------------------|
| Rubbish | 120 | 4 (1 per dwelling) | Weekly | 1.2 (all bins) | Red |
| Recycling | 240 | 4 (1 per dwelling) | Fortnightly | 1.92 (all bins) | Yellow |
| Green waste | 240 | 4 (1 per dwelling) | Fortnightly | 1.92 (all bins)) | Green |

Calculation and justification of the proposed Waste Management plan is shown below.

| | Weekly & Fortnightly Waste (Litres) | | |
|--|-------------------------------------|-------------------------|---------------------------|
| | Rubbish (weekly) | Recycling (fortnightly) | Green waste (fortnightly) |
| Total Weekly WasteGeneration (Minimum required) | 120 L | 240 L | 240 L |
| Total Bin Volume Proposed | 480 L | 960 L | 960 L |
| Collection Rate | Weekly | Fortnightly | Fortnightly |
| Collection Excess Amount (Additional waste able to be collected) | 0 L | 0 L | 0 L |

As shown above, under the proposed plan will be able to service the waste sufficiently.



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Waste Systems

Due to the size of the building, no chutes, carousels, compaction facilities will be provided. All the waste will be transferred by occupants to the allocated bin area.

Bin Quantity, Size and Colour

Based on the waste generation rate of the proposed development, the follow table summarises the required number, size and types of bins which will need to be installed.

| Size/Colour/Quantity | Garbage | Recycling | Green waste |
|----------------------|--|---|--|
| #Bin Colours | <u>Lid:</u> Red <u>Body:</u> Dark green | <u>Lid:</u> Yellow <u>Body:</u> Dark green | <u>Lid:</u> Light green <u>Body:</u> Dark green |
| Bin Size | 120 litre | 240 litre | 240 litre |
| Quantity | 4 bins (480 L Total Volume) | 4 bins (960 L Total Volume) | 4 bins (960 L Total Volume) |

#Council standard colour takes preference.

Collection Frequency

Bin collection will be undertaken weekly for rubbish and fortnightly for all other waste.

Bin Storage

All rubbish bins will be stored onsite within each unit, external to the building. This storage area will have access to concrete driveway. Council will be able to access these bins for servicing via Ribbon Court.

Bins themselves will require a total area of approximately 5.04m², adequate room will be provided for collection and servicing of bins.

Waste Collection

All waste storage will be located on-site. Waste collection point will accessed from the Ribbon Court.

Scaled Waste Management Drawing

A copy of the Waste Management Drawing has been included in Appendix 1 of this report.

Waste Contractors

All Waste will be serviced by Greater Dandenong City Council, thus the Council will need to play a role in Waste Servicing of this property.

Waste will be serviced every week and fortnight, building owners will need to ensure that the bins are out before 6am on the day of collection and will need to be placed 1 metre apart from each other, and clear of trees, light and power poles parked vehicles and driveways.

Additional Waste Requirements

Hard Waste

Sufficient space of 1m² is available within the site area and on the nature strips for any Hard Waste which will need to be collected.

Charity Goods

If required, sufficient space of over 1m² is available within the site for any Charity Bins which could be provided by charitable services.





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Signage

All bins will be correctly labelled to encourage correct recycling and reduce waste contamination.

Signage used on bins must clearly demonstrate the following

| | |
|---|--|
|  | Recycling bin (yellow lid) Items that should go in your recycling bin include: <ul style="list-style-type: none">- aerosol cans- aluminium trays and foil (scrunched)- envelopes (including those with plastic windows)- glass, plastic, paper and metal (with exceptions)- metal pots and cutlery- pizza boxes (with no food waste). |
|  | Household garbage (red lid) Items that should go in this bin include: <ul style="list-style-type: none">- ceramics, crockery and glassware that can't be donated to your local charity shop- nappies (wrapped)- polystyrene foam (some local councils have a drop off service for polystyrene)- unavoidable food waste (if you don't have a compost bin). |
|  | Garden waste bin (green lid) Items that should go in your recycling bin include: <ul style="list-style-type: none">- garden prunings- grass and leaves- small branches- weeds and flowers. |

*reference www.sustainability.vic.gov.au

7. CONCLUSION

- 7.1. We believe that the proposed development will comply with the Greater Dandenong City Council Waste Management requirements if installed with the bin specifications as nominated in this report.



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Appendix 1 – Waste Management Diagram

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