

Preliminary Construction Waste Management Plan

THORNTON CENTRAL VILLAGE

41, 184 & 192 Lord Sheffield Circuit Penrith NSW 2750

THORNTON OPERATIONS PTY LTD



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1. Project Specific Information

1.1 - Preliminary

1.1.1 - Version Control

Table 1: Version Control

Revision #	Date	Version Description	Approved by
0	10/11/2021	For Master Plan DA	George Jeffreys
1	24/11/2021	ISSUED FOR DEVELOPMENT APPLICATION	Frank Katsanevas

1.1.2 - Revision Details

Table 2: Revision Details

Revision	Details
0	Issued for Master Plan DA

1.1.3 - Distribution

Table 3: Distribution List

Copy	Recipient
1	Internal
1	Penrith City Council

2. Project Description

2.1 - Project summary

This Construction Waste Management Plan is submitted as part of the development application for the Thornton Central Village project.

The proposed development involves the construction of:

Stage 1 Lot 3003 ((DA01) comprising:

- – One storey basement, containing a total of 85 x retail car parking spaces, a click-and-collect facility, waste rooms, a retail lobby entry, plant rooms, and other ancillary back-of-house areas.
- – Five-storey podium comprising:
 - • Retail tenancies, a mainline supermarket, residential and commercial lobby entries, a loading dock, vehicle access, and back-of-house areas at Ground Level.
 - • A childcare centre and medical facility at Level 01.
 - • Shared car parking at Levels 01 – 04 (providing a total of 333 x residential car parking spaces, 35 x retail car parking spaces, and 2 x car wash bays).
- – A residential building (referred to as Tower A), with a maximum rise of 27 storeys (Level 05 – Level 31) containing a total of 241 x residential apartments.
- – A residential building (referred to as Tower B), with a maximum rise of 9 storeys (Level 05 – Level 13) containing a total of 75 x residential apartments.
- ☐ Creation of new east-west publicly accessible through-site link.
- ☐ New landscaping works and other public domain works; and
- ☐ Ancillary works, including site services and connections and stormwater infrastructure.

Stage 2 Lot 3003 - 3004-3005 (DA02) comprising:

- One storey basement, containing a total of 95 x residential car parking spaces, 2 x car wash bays, waste rooms, plant rooms, and another ancillary back-of-house areas.
- Five-storey commercial podium comprising:
 - Retail tenancies, residential and commercial lobby entries, a loading dock, vehicle access, and back-of-house areas at Ground Level.
 - A commercial tenancy at Level 01.
 - Shared car parking at Ground Level – 04 (providing a total of 161 x residential car parking spaces and 22 x retail car parking spaces).
- A residential building (referred to as Tower C), with a maximum rise of 13 storeys (Ground Level –Level 12) containing a total of 74 x residential apartments.
- A residential building (referred to as Tower D), with a maximum rise of 26 storeys (Ground Level –Level 25) containing a total of 163 x residential apartments.
- ☐ New landscaping works and other public domain works; and
- ☐ Ancillary works, including site services and connections and stormwater infrastructure.

2.2 - Project Stakeholders

Thornton Operations Pty Limited recognises the following stakeholders to the Project:

- Traditional landowners the Deerubbin Local Aboriginal Land Council (DLALC).
- Penrith City Council.

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- NSW Department of Planning and Environment.
- NSW Environmental Protection Authority.
- Authorities.
- Residents.
- Local environmental groups; and
- Local community (such as Thornton Community Group)

2.3 - Project Site

This Project is located at 41, 184 & 192 Lord Sheffield Circuit Penrith NSW 2750. See Figure 1 for the location of the site in context with Penrith Rail station.



Figure 1: Location of site (nearmap, 2021).

3. Construction Waste Management

The way construction waste is managed will form part of the project's Environmental Management Plan. This will be managed as follows:

3.1 - Description

A general environmental duty of care exists to manage and control our waste materials. Policies and guidelines become mandatory if referred to in the Environmental Protection Act 1994. Note: Waste management requirements for asbestos and hazardous substances are included with the processes for those materials.

3.2 - Responsibilities

Site Manager, HSE Manager and/or delegate, Project Manager, all Site Personnel

3.3 - Process

The Senior Construction Team will liaise with the HSE Manager to ensure waste management procedures are enforced on site.

3.3.1 - Mitigation of Waste

The following controls will be implemented by Thornton Operations Pty Limited to mitigate project waste:

- Identification of possible waste streams generated by the project and management opportunities (e.g., avoid / reuse / recycle).
- Provision of the appropriate number and types of bins onsite for each of the different types of waste. Bins will be clearly marked and monitored for cross-contamination of wastes.
- Disposal of hazardous wastes according to State requirements.
- Daily inspections on all waste collection areas.
- Tracking of disposal of hazardous wastes or goods through dockets and manifests.
- Salvage and reuse of certain demolition materials (drainage structure, electrical cables, fences) and recycling wherever possible.
- Recycling of waste oils and disposal of waste tyres at approved locations only.
- Details of waste disposed of and recycled will be recorded in the monthly Environmental report. All waste dockets and manifests, quantities, methods, location and inspection times and dates will be included.

3.3.2 - Waste Management Licenses, Permits and Approvals

The project will observe the following in regard to licences, permits and approvals:

- Bins will have lids to retain waste
- Subcontractor must be licensed and require permits for disposal of demolition material.
- Approvals for changes in land use and the disposal of regulated waste materials require a licence.
- Industrial wastes require Local Government approvals prior to disposal in approved sites (in NSW).
- Asphalt and concrete are not regulated wastes. However, approval will be sought from the Transport- Roads & Maritime Services or Local Government Council before recycling this type of waste.
- Nuisance laws exist to limit littering around sites and are a general duty of care provision.

3.3.3 - Waste Removal

At completion of the project:

- Waste piles will be removed from site to the correct receiving facilities
- Specialised bins will be emptied, waste tracking dockets received, and all bins and skips returned to owners
- All projects lay-down areas will be cleared of items and waste and returned to a state approved by the Stakeholder and contract administrator.
- The site office area will be cleaned, and all items and waste removed.

The Waste Removal Register will be used to capture information about waste removal; the specific waste streams will depend on project input/output.

3.4 - Waste quantities and disposal locations

Based on historical data it is anticipated that in the region of 10,000m³ of construction waste will be generated. Mitigation strategies as outlined in section 3.3.1 - above will be utilised to minimise the volume generated.

The actual location of the waste that will be disposed will depend on a number of factors, such as type of waste and who is engaged to remove the waste from site. Thornton Operations Pty Limited has, on the previous stages of the Thornton developments, used Dump It Bins. They operate from Dump It Recycling Centre, which is an EPA licenced waste facility located at 13 Long Street, Smithfield (off the Cumberland Hwy).

3.5 - Onsite storage locations

The construction waste will be managed as follows:

- Each floor or area will have wheelie bins for waste to be placed into daily.
- At the end of each day, or sooner if the bins are full, the wheelie bins will be taken to a central storage area, probably in the basement carpark. The vertical movement will be carried out by using man/material hoists. It is envisaged that there will be at least one per tower.
- The wheelie bins will be emptied into larger bins, which will be taken from site by the company contracted to remove the waste.

3.6 - Operating hours

Construction or excavation works that involve the use of heavy vehicles, heavy machinery, and other equipment likely to cause offence to adjoining properties shall be restricted to the following hours in accordance with the NSW Environment Protection Authority Noise Control Guidelines:

- Mondays to Fridays, 7am to 6pm.
- Saturdays, 7am to 1pm if inaudible on neighbouring residential premises, otherwise 8am to 1pm; and
- No work is permitted on Saturdays and Public Holidays.

Other construction works carried out inside a building/tenancy and that do not involve the use of equipment that emits noise are not restricted to the construction hours stated above. The provisions of the Protection of the Environment Operations Act 1997 in regulating offensive noise also apply to all construction works.