Appendix 2 Waste Requirements

1: Waste Management Plans

A waste management plan must be provided with development applications for all new developments that will generate construction, demolition or ongoing waste. Applicants will need to complete the three forms included in this Appendix.

Applicants should also make reference to the following documents that may provide additional guidance for ensuring that the development achieves the objective of best practice for waste and recycling management.

- NSW EPA, Better Practice Guide for Waste Management in Multi-Unit Dwellings, 2009
- NSW EPA, Better Practice Guidelines for Waste Management and Recycling in Commercial Buildings, 2013

Both publications are available at the NSW Environmental Protection Authority website www.epa.nsw.gov.au.

Demolition and construction phase

Describe the wastes that will be generated in the demolition and construction phases, and the subsequent separation, storage and disposal of those materials.

Prior to the demolition, alterations and additions or renovation work to any building constructed before 1987, the person responsible for such work must ensure that the building is assessed for hazardous materials, especially asbestos. This assessment should be prepared by a suitably qualified person, such as a contractor licensed by WorkCover, or an occupational hygienist / asbestos consultant that is a member of a relevant industry or professional association. The Waste Management Plan for a building constructed before 1987 must verify the type and amount of asbestos present and the work method proposed for its removal and disposal.

Potential for Waste Minimisation

Some examples of avoidance and recycling potential of resources and materials are provided in the following table to assist in preparation of the waste management statement.

Materials On-Site	Waste Avoidance	Reuse and Recycling Potential
Significant trees	Design into new development	Relocated on-site or sold for use off-site
Soil	Avoid excess excavations	Power screened for topsoil
Vegetation from site clearance	Incorporate existing trees/shrubs into the landscape strategy/plan	Mulching, composting, for landscaping/fertiliser
Concrete	Retain existing driveways, paths, footings, slabs in design	Filling, levelling materials, road base
Bricks	Retain existing walls, buildings and fences	Cleaned and/or rendered, crushed.
Roof-tiles	Retain existing roof, colour treatments/ cleaning	Crushed, as landscaping, and driveways
Hardwood beams	Re-use or recycle on site	Fencing, furniture, construction.

Materials On-Site	Waste Avoidance	Reuse and Recycling Potential
Other timber	As above	Formwork, bridging, blocking, propping, construction
Doors, windows, fittings	Design as an architectural feature of the new development	Second-hand building materials
Glass	As above	Sandblasting, aggregate for concrete production
Synthetic and recycled rubber (e.g. under carpets	Protect/cover and re-use	Safety barriers, speed humps, sports surfaces

Table W.1: Potential for Waste Minimisation

Note: Separated wastes attract reduced or zero disposal fees at licensed disposal facilities

Waste Management Plan - Part One (Demolition Phase)

Site Address:	88 Crinan Street, Hurlstone Park

Section 1: Asbestos Declaration

Does Demolition Contain Asbestos? Yes ☐ No ☐

All asbestos waste is to be managed in accordance with provisions of the NSW *Work Health and Safety Regulation* 2011

Is the asbestos friable ☐ Yes (go to section 2) ☐ No

Is the asbestos non friable and over 10m^2 ☐ Yes (go to section 2) ☐ No

Is the asbestos non-friable and under 10m^2 ☐ Yes (go to section 3) ☐ No

Section 2: Asbestos Removal Details

WorkCover Licence No. and Class:	
Demolition Contractor Details:	
Licensed Landfill:	

Section 3: General Demolition Waste

		How will you manage this waste?		
Type of Material	**Estimated Amount (m³)**	**Re-use On-site**	**Recycle Offsite**	**Landfill**
Bricks	1	☐ y	☐ n	☐ n
Concrete	3	☐ n	☐ y	☐ n
Tiles	0.5	☐ n	☐ n	☐ y
Timber (clean)	n/a	☐	☐	☐
Timber (treated)	n/a	☐	☐	☐
Plasterboard	n/a	☐	☐	☐
Metals	0.7	☐ n	☐ y	☐ n
Green Waste	1	☐ y	☐ n	☐ n
Other	0.5	☐ n	☐ n	☐ y

Principal Off-Site Recycler	**Principal Licensed Landfill Site**
Aussie skip bin services	Aussie skip bin services

Waste Management Plan - Part Two (Construction Phase)

Site Address: 88 Crinan Street, Hurlstone Park	
Section 1: Estimated Amount of Excavation Material (m³): 1	☐ y Re-use on-site ☐ n Re-use off site (go to section 2) ☐ n Landfill Disposal (go to section 3)
Section 2: Address if re-used off site:	
Section 3: Name and Address of licensed landfill:	
Section 4: Estimated Construction Material Waste	

Type of Material:	**Estimated Amount (m³):**	**How will you manage this waste?**		
		Re-use on-site	**Recycle Offsite**	**Landfill**
Bricks	0.5	☐ y	☐ y	☐ n
Concrete	0.5	☐ n	☐ y	☐ n
Tiles	0.5	☐ n	☐ y	☐ n
Timber (clean) Timber (treated)	0.5 0.5	☐ n ☐ n	☐ y ☐ y	☐ n ☐ y
Plasterboard	1	☐ n	☐ n	☐ n
Green Waste	0.5	☐ y	☐ n	☐ n
Other	0.5	☐ n	☐ n	☐ n

Off-Site Recycling Facilities	**Licensed Landfill Site/s**
Aussie Skip Bin services --- --- ---	Aussie Skip Bin Services --- --- ---

Waste Management Plan - Part Three (Ongoing Use)

Site Address: 88 Crinan Street, Hurlstone Park	
☐ Residential Flat Building ☐ Multi Dwelling Houses ☐ Boarding House ☒ Other – CARPORT *Please complete Sections 1-3*	☐ Shop Top Housing ☐ Non Residential Development *Please complete Sections 1-4*

Section 1: Generation of Waste

RESIDENTIAL Number of dwellings	Rubbish generation/week (120L/dwelling)	Allocated rubbish bin size (140L or 240L)	TOTAL number of rubbish bins allocated	Recycling generation/week (80L/dwelling)	Allocated recycling bin size (240L)	TOTAL number of recycling bins allocated
1	120L	240L	1	80L	240L	1
COMMERCIAL *(if applicable)* Premises Type	Rubbish generation/week *(Based on type of premises and m², see Appendix 3)*	Size and number of rubbish bins	Collection frequency per week	Recycling generation/week *(Based on type of premises and m², see Appendix 3)*	Size and number of recycling bins	Collection frequency per week

Section 2: Storage of Waste Bins

1.	Is there sufficient space allocated within each dwelling for one day's waste and recycling?	Yes ☑ No ☐
2.	Is there a waste bin storage room/area provided?	Yes ☑ No ☐
	2a - What is the total area of bin storage provided?	2sq.m
	2b - Is there sufficient space provided for the allocated rubbish and recycling bins plus handling? *(see clause 6.9.4.1 and 6.9.4.2 for requirements)*	Yes ☑ No ☐
	2c - Has a minimum 4m² bulky waste storage area been allocated?	Yes ☑ No ☐
	2d - Have you submitted a detailed plan of the waste bin storage room/area, together with the nominated collection point and access pathway marked?	Yes ☐ No ☑

3.	Are you using a compactor in the bin storage room? If *NO*, proceed to question 4	Yes ☐ No ☑
	3a – Please detail the type of system (carousel, lineal, optic sensors, number of bins, automatic bin exchange, size etc.)	

	3b – What is the proposed compactor diameter?	
	3c – What is the ceiling height of the waste bin storage room room?	
	3d – What is the proposed compaction ratio? (Must NOT exceed 2:1)	
4.	Is there a garbage chute system installed? If *NO*, proceed to Section 3	Yes ☐ No ☑
	4a – Is there a service room provided on each storey?	Yes ☐ No ☐
	4b – Is there sufficient space allocated for 2x 240L recycling bins in the service room(s)?	Yes ☐ No ☐
	4c – How many storeys will the chute service?	

Section 3: Collection of Waste

1.	Is there a caretaker on-site responsible for managing waste?	Yes ☑ No ☐
	1a - Designate which body is responsible for cleaning of waste storage areas	owner
	1b - Designate which body is responsible for transfer of waste and recycling bins to and from the collection point (if applicable)	owner
2.	Are you proposing to use a waste bin presentation area for collection of waste?	Yes ☐ No ☑
3.	What is the maximum distance from the waste bin storage room/area to the street kerb?	5m
4.	Are you proposing for Council's collection contractor to enter the site to collect the bins? (see clause 6.9.4.3)	Yes ☐ No ☑

Section 4: Shop Top Housing and Non-Residential Development

1.	Has a separate waste bin storage room/area been provided for commercial/retail tenancies?	Yes ☐ No ☐
	1a - Does the waste bin storage room/area have sufficient space allocated for storage of estimated bins? (as per Section 1)	Yes ☐ No ☐
	1b - Is the waste bin storage room/area size and layout flexible to allow for future changes in use?	Yes ☐ No ☐
	1c - Have you provided the necessary requirements for storage and collection of specific wastes types (i.e food, medical, hazardous etc.)	Yes ☐ No ☐

2.	Has sufficient space close to retail/commercial premises been allocated for storage of re-usable commercial items such as crates, pallets, kegs etc?	Yes ☐ No ☐