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15-23 HUNTER STREET & 105-107 PITT STREET, SYDNEY ADDITIONAL WASTE MANAGEMENT PLAN



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15-23 HUNTER STREET & 105-107 PITT STREET, SYDNEY Additional Waste Management Plan

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REV	WSP REFERNCE	DATE	DETAILS
А	PS120302	22/06/2020	Draft Waste Management Plan
B-2	PS120302	26/06/2020	Waste Management Plan
С	PS120302	27/07/2020	Waste Management Plan
D	PS120898	13/05/2021	Waste Management Plan
Е	PS120898	13/10/2021	Waste Management Plan
F	PS120898	11/02/2022	Waste Management Plan
G	PS120898	23/03/2022	Waste Management Plan Area Update

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TABLE OF CONTENTS

1	INTRODUCTION	1
1.1	PLANNING PROPOSAL	1
1.2	LAND USE	2
2	WASTE MANAGEMENT PLAN	3
2.1	WASTE GENERATION	3
2.2	EQUIPMENT QUANTITY, SIZE AND COLLECTION	4
2.3	WASTE SYSTEMS	5
2.3.1	CORE WASTE STREAMS	
2.3.2	EXTENDED WASTE STREAMS	
2.3.3	LIQUID / CHEMICAL WASTE	6
2.4	WASTE STORAGE AREA & LOCATION	6
2.5	WASTE COLLECTION METHODOLOGY	7
2.5.1	COLLECTION VEHICLE SIZE AND TYPE	7

LIST OF APPENDICES

APPENDIX A SCALED WASTE ROOM DRAWINGS APPENDIX B SWEPT PATH DIAGRAMS APPENDIX C CITY OF SYDNEY WMP TEMPLATE

List of Tables

TABLE 1	INDICATIVE DEVELOPMENT SUMMARY (BASED ON REFERENCE DESIGN)	2
TABLE 2	WASTE GENERATION RATES	3
TABLE 3	WASTE GENERATION ASSESSMENT	4
TABLE 4	EQUIPMENT DETAIL AND CAPACITY	4
TABLE 5	TYPICAL EQUIPMENT DIMENSIONS	5
TABLE 6	CORE WASTE STREAMS – EQUIPMENT AND STORAGE	5
TABLE 7	EXTENDED WASTE STREAMS – EQUIPMENT AND STORAGE	6
TABLE 8	WASTE STORAGE AREA REQUIREMENT	6
TABLE 9	WASTE COLLECTION SUMMARY	7

1 INTRODUCTION

The following Waste Management Plan (WMP) provides supplementary information to the completed form WMP provided to City of Sydney, prepared for the proposed commercial development at 15-23 Hunter Street & 105-107 Pitt Street Sydney.

This Waste Management Plan (WMP) has been prepared based on the City of Sydney document *Guidelines for Waste Management in New Developments* (2019) and current best practice waste management methodology and technologies commonly available in Australia.

The waste collection services and storage arrangements outlined in this WMP must be conducted in accordance with the City of Sydney's *Local Approvals Policy for Managing Waste in Public Places* (2017).

1.1 PLANNING PROPOSAL

This Waste Management Plan has been prepared by WSP in support of a Planning Proposal to amend the *Sydney Local Environmental Plan 2012* (Sydney LEP). This report has been prepared on behalf of Milligan Group Pty Ltd (the Proponent) and its related entities and consultants, representatives and agents and FT Sydney Pty Ltd as trustee for FT Sydney Unit Trust. It relates to an amalgamated site at 15-21 Hunter Street and 105-107 Pitt Street (the site).

The purpose of this Planning Proposal is to amend the site's Floor Space Ratio (FSR) development standard, and the Maximum Building Height to align with the Martin Place Sun Access Plane contained within the concurrent Central Sydney Planning Proposal.

This Planning Proposal supports the City of Sydney Council's draft Central Sydney Planning Strategy (Draft CSPS) by unlocking additional employment generating floor space within a designated tower cluster. The proposed Sydney LEP amendment is part of the broader redevelopment plan for the site to facilitate a new commercial office tower. It will also facilitate significant public benefits through additional site activation and embellishment of the public domain.

The Planning Proposal is accompanied by amendments to the Sydney Development Control Plan 2012 (Sydney DCP). The site specific DCP amendments reflect the proposed outcome to provide a podium tower scheme.

This is reflected in the accompanying reference design prepared by Bates Smart which serves as a baseline proof of concept for this Planning Proposal. This 2,108m² strategic site presents a unique opportunity to deliver a landmark premium commercial office tower that will exhibit design excellence and offer significant employment opportunities for global Sydney.

The uplift being sought is consistent with the strategic intent of the draft CSPS, which contains the City's requirements and expectations for projects pursuing this pathway. Following the Planning Proposal, the planning approval pathway involves a competitive design process and a detailed Development Application. As such, this report reflects the concept stage of the proposal, and may be embellished as the detailed design and required works evolve.

1.2 LAND USE

Client:	Milligan Group
Development Type:	Commercial
Number of Levels:	51 levels (with 6 additional basement levels)

Table 1 Indicative Development Summary (based on reference design)

Commercial							
Use	Location	Net Leasable Area (NLA)					
F+B Lounge	Level 49 – Level 50	$1,267m^2$					
Office*	Level 01 – Level 48	41,347m ²					
Retail	Ground Level – Level 02	2,043m ²					
Food Market	Basement 01	555m ²					
Entertainment	Basement 02	659m ²					
Health & Wellness Centre	Basement 03	1,320m ²					
Gym	Basement 04	1,320m ²					
	TOTAL 47,244m ²						

*Note: Conservative figure – includes Motor Room at Level 36

2 WASTE MANAGEMENT PLAN

2.1 WASTE GENERATION

Waste generation rates per week are shown in Table 2, and a waste generation assessment prepared in accordance with these rates in Table 3.

Waste generation calculations have been prepared based on the reference design accompanying the Planning Proposal, with the commercial spaces across the site have been assumed to operate as follows:

- The F+B / Lounge spaces at Level 49 50 to operate as fully-functioning restaurants.
- All areas designated as 'Retail / F+B' to operate <u>with</u> food and beverage (F+B), and areas designated as 'Retail' to operate <u>without</u> (i.e. providing standard goods and services retailing only).
- The Wellness & Health Centre at basement 03 to generate waste a rate equivalent to the gym space at basement 04. These areas (and subsequent waste volumes) have been combined for ease of reference.
- All office spaces to operate five days per week; all other uses to operate seven days per week.

In any instance where the City of Sydney waste guidelines do not list specific generation rates for the nominated use (i.e. gym), rates have been adopted from the NSW EPA document *Better Practice Guide for Resource Recovery* (2019).

Any areas considered ancillary to the active uses of the site (circulation, storage, back of house, etc.) are not considered to generate additional waste, and as such are not included in the areas shown below. Waste generated by these areas is created in service of the active uses of the site and is therefore incorporated into the rates shown below.

	Waste Generation Rates (L/100m ² /week)							
Use	Garbage	Commingles	Office Paper	Cardboard	Glass	Food Organics		
F+B Lounge	700	500	-	2,000	1,000	700		
Office	75	39	86	-	-	25		
Retail (non food)	175	100	-	1,300	-	35		
Retail (F&B)	700	1,500	-	2,000	-	700		
Food Market	700	1,500	-	2,000	-	700		
Entertainment	700	215	-	440	220	210		
Health & Wellness	140	105	-	-	-	-		
Gym	140	105	-	-	-	-		

Table 2 Waste Generation Rates

	NLA	Waste Generation Assessment (L/week)					
Use		Garbage	Commingles	Office Paper	Cardboard	Glass	Food Organics
F+B Lounge	1,267m ²	8,813	6,295	-	25,180	12,590	8,813
Office	41,347m ²	31,058	16,150	35,613	-	-	10,353
Retail (non food)	2,043m ²	2,135	1,220	-	15,859	-	427
Retail (F&B)	659m ²	3,305	7,082	-	9,442	-	3,305
Food Market	555m ²	4,907	10,515	-	14,020	-	4,907
Entertainment	659m ²	6,545	2,010	-	4,114	2,057	1,964
Health & Wellness	1,320m ²	1,813	1,360	-	-	-	-
Gym	1,320m ²	1,813	1,360	-	-	-	-
	TOTAL	60,389	45,991	35,613	68,615	14,647	29,768

Table 3 Waste Generation Assessment

2.2 EQUIPMENT QUANTITY, SIZE AND COLLECTION

Table 4 contains information regarding equipment quantity, size and frequency of collection.

As per standard industry practice, a 5:1 compaction ratio has been assumed for the cardboard baler. WSP understands that higher compaction rates can be achieved under certain conditions.

Due to their operational processes and low energy consumption, digester units generally remain operational across the entirety of the day. As such, the weekly digester capacity has been calculated under the assumption of a 24 hour per day, 7 day per week operation. There exists sufficient capacity within the digester to operate under fewer hours per day if required.

It is noted that the anticipated organics volume exceeds digester capacity. Due to the highly conservative nature of the waste generation estimate this minor exceedance of capacity is considered negligible, and as such the system specified is considered appropriate. This stream can be disposed of as garbage under a worst-case scenario.

Table 4 Equipment Detail and Capacity

Equipment Information and Capacity						
Waste Stream Equipment Collections Per Week Weekly Capacity Weekly V						
Garbage	11 x 1100L Bins	5	60,500L	60,389L		
Recycling / CDS	9 x 1100L Bins	5	49,500L	45,991L		
Office Paper	7 x 1100L Bins	5	38,500L	35,613L		
Cardboard	6 x Bales	3	69,120L	68,615L		
Glass	8 x 660L Bins	3	15,840L	14,647L		
Food Organics	1 x Digester	Not Required*	27,500L	29,768L		

* Food organic waste will be disposed of via an aerobic digester. These units decompose organic matter into a product of just CO₂ and greywater, with no residual waste generated which requires collections.

Typical equipment dimensions are provided in Table 5. Note that the specifications listed are for reference only and must be confirmed with the nominated supplier prior to any works commencing.

Typical Equipment Dimensions (mm)						
Item	Depth	Height				
1100L Bin	1240	1070	1330			
660L Bin	1260	780	1330			
Baler (assumed X25 model)	1745	1260	1995			
Bale (assumed X25 model)	1200	800	1200			
Food Digester	1740	900	1120			
Cooking Oil Vat	2000	1000	1000			

Table 5 Typical Equipment Dimensions

2.3 WASTE SYSTEMS

Waste shall be sorted on-site by commercial staff/ hotel cleaners as appropriate into the following core streams:

- Garbage (General Waste)
- Commingled Recycling (including Container Deposit Scheme (CDS))
- Office Paper
- Cardboard
- Glass
- Food Organics

Further storage provisions will be made for the following extended waste streams:

- Bulky Waste
- Secure Paper
- Soft Plastics / Shrink Wrap
- Used Cooking Oil
- Reusable Items (i.e. milk crates, pallets, kegs, etc.)
- Strip-out Waste

2.3.1 CORE WASTE STREAMS

Table 6 below describes the general systems for the core waste streams. As detailed in Section 2.5, the collection of these waste stream undertaken under a routine schedule, with fixed collection frequencies arranged with the nominated cartage contractors in advance.

Table V Core waste Streams – Equipment and Storage						
Use Equipment Storage Location Primary		Primary Users				
Garbage	1100L Bins	Waste Room (Basement 01) All (Office, Retail, F+B)				
Commingles / CDS	1100L Bins	Waste Room (Basement 01)	All (Office, Retail, F+B)			
Office Paper	1100L Bins	Waste Room (Basement 01)	Office			
Cardboard	Baler*	Waste Room (Basement 01)	Retail, F+B			
Glass	660L Bins	Waste Room (Basement 01)	F+B Lounge			
Food Organics	Food Digester	Digester Room (Plant Level)	Office, F+B			

Table 6 Core Waste Streams – Equipment and Storage

* Baler use will be limited to trained staff only.

2.3.2 EXTENDED WASTE STREAMS

Table 7 below describes the general systems for the extended waste streams. Due to the requirement for a suitable volume of each waste to be generated prior to collection, all extended streams will be collected on an as-required basis by a private collection contractor once the storage area capacity is reached.

Note that the management of secure paper, soft plastics, reusable items and strip-out waste will be the responsibility of each individual tenancy, and will thus be stored internally within individual BoH areas as appropriate. These extended waste streams will be brought to basement 01 level for collection as required.

		-	
Use	Equipment	Storage Location	Primary Users
Bulky Waste Caging		Bulky Waste Store (Plant Level)	All (Office, Retail, F+B)
Secure Paper	240L lockable bins	Tenancy Printer Rooms	Office
Soft Plastics / Shrink Wrap	Bags / Frames*	Tenancy BoH	Retail, F+B
Used Cooking Oil	Oil Vat	Waste Room (Basement 01)	F+B
Reusable Items	n/a	Tenancy BoH	All (Office, Retail, F+B)
Strip-out Waste	Per strip-out requirements	Tenancy BoH	All (Office, Retail, F+B)

Table 7 Extended Waste Streams – Equipment and Storage

* Pending operational preference, soft plastics / shrink wrap may be managed through the baler at basement 01 level.

2.3.3 LIQUID / CHEMICAL WASTE

Any liquid / chemical waste generated throughout the site (cleaning products, chemicals, paints, solvents, etc.) will be managed separately from the above listed waste streams.

Facilities management will be responsible for ensuring any chemical waste is safely managed in accordance with the *Environment Protection (Industrial Waste Resource) Regulations* (2009).

2.4 WASTE STORAGE AREA & LOCATION

Table 8 demonstrates the cumulative area requirements (excluding circulation) and provision of waste areas. Please refer to the scaled waste room drawings of Appendix A.

Table 8 Waste Storage Area Requirement	Table 8	Waste Storage Area Requirement
--	---------	--------------------------------

Waste Store	Equipment	Area Required	Area Provided
	11 x 1100L Garbage Bins	14.52m ²	
	9 x 1100L Recycling Bins	11.88m ²	
Waste Room	7 x 1100L Office Paper Bins	9.24m ²	70.00m^2
(Basement 01)	8 x 660L Glass Bins	8.90m ²	70.00m²
	1 x Cardboard Baler + 6 x Bales	7.96m ²	
	1 x Cooking Oil Vat	2.00m ²	
Digester Store (Plant Level)	1 x Digester	2.43m ²	5.00m ² (Internal fitout)
Bulky Waste Store (Plant Level)	Bulky Waste	12.00m ²	12.00m ² (Internal fitout)
	TOTAL	68.87m ²	87.00m ²

2.5 WASTE COLLECTION METHODOLOGY

Waste will be collected by a private contractor as outlined in Table 9.

Waste Stream	Equipment	Collection Frequency	Collection Operator	
Garbage	11 x 1100L Bins	Five times per week	Private Contractor	
Recycling / CDS	9 x 1100L Bins	Five times per week	Private Contractor	
Office Paper	7 x 1100L Bins	Five times per week	Private Contractor	
Cardboard	6 x X25 Bales	Three times per week	Private Contractor Private Contractor	
Glass	8 x 660L Bins	Three times per week		
Food Organics	1 x Digester	Not Required	Not Required	
Extended Waste Streams	Refer Section 2.3.2	As required	Private Contractor	

Table 9 Waste Collection Summary

Collections will be undertaken directly from the loading bay provided at basement 01 level, to be accessed by collection vehicles via the Pitt Street crossover. Collection vehicles will utilise enter and exit the site in a forward direction via the Pitt Street crossover.

The collection vehicle will prop within the loading bay, with vehicle operators collecting equipment directly from the basement 01 level waste room (see Appendix A). Equipment will not be stored outside the title boundary or presented to kerb for collection at any time.

Any waste streams not typically stored at basement 01 level (i.e. bulky waste, secure paper, soft plastics, etc.) will be brought to basement 01 level and temporarily held within the waste room prior to collection. Such collections will be coordinated between tenancies as required.

Building management will ensure sufficient access is provided for collection vehicle operators during collection times. Typically, operators are provided with keypad/swipe card access to service doors as required.

Food organic waste will be disposed of via an aerobic digester. These units decompose organic matter into a product of just CO_2 and greywater, with no residual waste generated which requires collections.

2.5.1 COLLECTION VEHICLE SIZE AND TYPE

Sufficient site access is provided for a standard 6.4m SRV sized vehicle (6.4 metre length, 3.5 metre operating height – refer Appendix B for swept path diagrams) to undertake collections.

WSP note that the above collection vehicle is larger than the low-profile Garwood Minor vehicles (6.4 metre length, 2.1 metre operating height) typically used to service similar developments in the Sydney CBD. As such, design as shown will likely prove conservative with respect to collection vehicle access, with Garwood Minor vehicles likely to often be used in practice.

WSP note that sufficient access may not be provided for a standard City of Sydney (CoS) waste vehicle (9.25 metre length, 4.0 metre operating height) under current design. Noting the commercial use of the site, and the commercial nature of the surrounding Hunter Street and Pitt Street precinct, WSP do <u>not</u> anticipate building use to be modified for residential use in the foreseeable future, and as such the development will <u>not</u> be required to accommodate a CoS collection vehicle. Commercial collections will be limited to a private contractor as nominated above.

APPENDIX A SCALED WASTE ROOM DRAWINGS





BASEMENT 02

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MARCH 2022 | URBAN DESIGN REPORT



BATES SMART

APPENDIX B SWEPT PATH DIAGRAMS





GENERAL NOTE: 300mm VEHICLE CLEARANCE USED DUE TO LOW SPEED ENVIRONMENT











APPENDIX C CITY OF SYDNEY WMP TEMPLATE



Appendix Waste and Recycling Management Plan forms

- A Construction Waste and Recycling Management Plan A-2
- Demolition Waste and Recycling Management Plan A-4
- C Operational Waste and Recycling Management Plan A-6

Construction Waste and Recycling Management Plan A.

Refer to the Construction and Demolition Waste Requirements.

fer to the Construction and							
Site Address:				DA Nui	mber:		
Will you use Site Cleaners?		 Yes, for some wo Yes, for all work No 	ork	Estimat	ted total volur	$\frac{1}{2} = \sum_{i=1}^{ne \text{ or } v} i$	
Please supply details of site cleaners used		ABN Number Name Phone		Mobile		ov N	î
All Excavation Material (inclue rom Swimming Pool excavat		 Less than 10 m³ More than 10 m³ (10 m³, specify est below) 			ATIO		
Address if re-used off site			~0`				
Name and Address of license	ed landfill			?` _			
			A	How will yo	ou manage th	nis waste?	
			<)'	···· · · · · · · · · · · · · · · · · ·	ba manago a		
Le Type of Material tha 10	an	MAGE	∍e ,-site	Recycle (separate collection from site)	Recycle (off-site separation)	Landfill	% of material diverted from landfill
Type of Material that	an	NAS	se ,-site	Recycle (separate collection	Recycle (off-site		material diverted from landfill
Type of Material that 10 Bricks	an	NA-7		Recycle (separate collection from site)	Recycle (off-site separation)	Landfill	material diverted from landfill
Type of Material that 10 3ricks 10 Concrete 10	an			Recycle (separate collection from site)	Recycle (off-site separation)	Landfill	material diverted from landfill
Type of Material that 10 Bricks Concrete	an			Recycle (separate collection from site)	Recycle (off-site separation)	Landfill	material diverted from landfill %
Type of Material that 10 Bricks 0 Concrete 10	an m ³			Recycle (separate collection from site)	Recycle (off-site separation)	Landfill	material diverted from landfill %
iype of Material that 10 Bricks 10 Sconcrete 10 "illes 10	an m ³			Recycle (separate collection from site)	Recycle (off-site separation)	Landfill	material diverted from landfill %
ype of Material that 10 Bricks 0 Bricks 0 Concrete 0 "imbr 0 Gla. 0	an m ³			Recycle (separate collection from site)	Recycle (off-site separation)	Landfill	material diverted from landfill 9 9 9 9 9 9 9 9 9
Type of Material that 10 Bricks Concrete Tiles Timbr Gla. Colored Gla. Colored Deiling tills Colored Metals (ferrous) Colored	an m ³			Recycle (separate collection from site)	Recycle (off-site separation)	Landfill	material diverted from landfill % % % % % % % % % % % % % % % % % %
Type of Material that 10 Bricks 0 Bricks 0 Concrete 0 Files 0 Fimbr 0 Gla. 0 Ceiling til. 3 0 Metals (ferrous) 0	an m ³			Recycle (separate collection from site)	Recycle (off-site separation)	Landfill	material diverted from



Demolition Waste and Recycling Management Plan B.

efer to the Constructio	n and Den							
Site Address:					DA Nur	mber:		
Does demolition conta	in asbesto	os?			Yes	🗆 No		
All asbestos waste is to b Work Health and Safety Re						☑ if under 10 ☑ if over 1	S	
WorkCover Licence No.	and Class)	2
Demolition contractor d	etails					SSL		
Licensed landfill						012		
				1.	CX			
ieneral demolit	ion was	ste	~	PP	. will yo	ou manage th	nis waste?	
General demolit	ion was Less than 10 m ³	ste e ^{PI}	TOA		A will your of the second seco	Du manage th Recycle (off-site separation)	nis waste? Landfill	% of material diverted from landfill
Type of Material	Less than	ste Pl er			Recycle (separate collection	Recycle (off-site		material diverted from
Type of Material Bricks	Less than	ste P ^I			Recycle (separate collection from site)	Recycle (off-site separation)	Landfill	material diverted from landfill
Type of Material Bricks Concrete	Less than	ste e ^r			Recycle (separate collection from site)	Recycle (off-site separation)	Landfill	material diverted from landfill
Type of Material Bricks Concrete Tiles Timber (c'	Less than	ste			Recycle (separate collection from site)	Recycle (off-site separation)	Landfill	material diverted from landfill
Type of Material Bricks Concrete Tiles Timber (c'	Less than	ste			Recycle (separate collection from site)	Recycle (off-site separation)	Landfill	material diverted from landfill %
	Less than 10 m ³	ste			Recycle (separate collection from site)	Recycle (off-site separation)	Landfill	material diverted from landfill %
Type of Material Bricks Concrete Tiles Timber (c'	Less than 10 m ³	ste			Recycle (separate collection from site)	Recycle (off-site separation)	Landfill	material diverted from landfill %



C. Operational Waste and Recycling Management Plan

Site Address: **DA Number:** ling week (120) Residential Only Development □ Mixed Residential/Non-Residential Development Generation of waste Refer to the Waste Generation rates in Guidelines. Waste RESIDENTIAL a number generation/ **MULTI-UNIT** estimated week Number of dwellings (100L/dwelling) 600 e.g. 6 e.g. 20 2000 RESIDENTIAL Waste Total number Food waste Nominated generation/ SINGLE DWELLINGS generation/ food waste bin size (L) week week estimated Number of dwellings (for single unit (100L/dwelling, (for single unit dwellings only) dwellings only) 100 120 120 1 40 60 e.g. 1

Total number

of bins

1

estimated

NON-RESIDENTIAL Calculate generation based on premises type and area	Waste generation/ L/day	Nominated waste bin size (L)	Total number of bins estimated	Recycling generatir L/day		cal number of bins estimated	Food waste generation/ L/day	Nominated food waste bin size (L)	Total number of bins estimated
e.g Hotel (11,000 m ²)	2200	660	4			5	1650	660	3
e.g Restaurant (200 m²)	200	240		GV	660		200	240	1
			AL D						
			K. W.						
		. D							
		NA							

General requirements

All multi-unit residential and non-residential development is to address the following.

Refer to the General Requirements section in Guidelines.

	Have the Guidelines been considered in conjunction with the City's Waste Management Local Approvals Policy (found at www.cityofsydney.nsw.gov.au)?	Yes	□ No
	Is there a waste and recycling storage area provided?	Yes	🗆 No
	Is the waste and recycling areas located in a position that is convenient for both users and waste collection staff?	■ Yes	□ No
	Location of waste and recycling storage areas: (e.g. level 2)Distance (m) from the waste and recycling storage area to the collection point	Size of waste storage area	e and recycling s (m²)
1			
	What is the total area of bin storage provided?		(m ²)
	Is the layout of the waste and recycling storage area designed to encourage easy recycling and separation of different waste types by all users?	□ Yes	□ No
	What is the ceiling height of the waste and recycling storage area?		m
	Have you submitted a detailed plan of the waste and recycling storage area, together with the nominated collection point and access pathway marked?	Yes	🗆 No
	Please include name and location of relevant drawings:		
	Is there sufficient space provided for the estimated general waste and recycling bins PLUS handling?	Yes	□ No
	How much separate space is dedicated for storing bulky waste and problem waste?		m²
	What type of storage space for bulky and problem waste has been allocated? (e.g. designated area, lockable cage, within waste and recycling storage room or other)		
2	Is food waste or compostable material managed in any way? (tick the applicable management system/s below)	Yes	□ No
	Suitable space available for composting and worm farming		
	On-site food waste processing system	Systen	n type:
	• Other (places epseify)		
	Other (please specify)		



					EOFSYDNEY
	Is the collection point sufficiently accessible by collection operators?	Yes	🗆 No		NP
	What is the maximum manual handling distance between the storage point and the collection point for bins?] m	*++
	Are any collection and vehicle access points located adjacent to a habitable room?	Yes	🗆 No		20
	What is the maximum grade of the path for wheeling bins between a storage point and the collection point?	:]	
	Are all externally located on-site collection points constructed within 15 metres from the property boundary?	Yes	🗆 No		plicable e collection only
3	What is the clearance height allowed for collection vehicles to enter the site for collection?] m	
	Is entry and exit of a collection vehicle from the site in a forward direction?	Yes	🗆 No		
	Can collection vehicles service the development with minimal reversing?	Yes	🗆 No		
	Have the following allowances been made for all collection points?				
	 Vehicle access for collection and loading will provide for a maximum grade of 1:20 for the first 6 metres from the street, then a maximum of 1:8 with a transition of 1:12 for 4 metres at the lower A minimum width of driveway of 3.6 metres 	□ Yes	🗆 No		to WMP and Report
	 A minimum radius turning circle of 10.5 metres or provision for changing the facing direction 				
	Who will be responsible for waste management (waste storage area mana transfer, educating occupants etc.) for the development?	agement, cle	aning, bin		
	Will appropriate signage for waste storage areas and equipment (including bins) for effective waste management and safe handling be implemented where necessary?	□ Yes	🗆 No		
Ļ	Please provide an overview summary of the development's waste manager arrangements, including a description of how occupants, cleaners and/or use the waste management facilities and how waste will be stored, transp	building ma	nagement	t will	
	(This is to be consistent with the drawings attached. Please attach additional p	bages if more	space req	uired)	

3

Multi-unit residential developments dwellings

All residential developments which shared waste and recycling bins are to address the following.

Refer to Multi-Unit Residential Developments Dwellings section in Guidelines.

1	Has space for at least two day's generation of waste and recycling been provided per unit?	□ Yes	🗆 No
	Is the waste and recycling storage area(s) easily accessible by all residents of the development?	□ Yes	🗆 No
	How far is the waste and recycling storage area from the farthest residential dwelling?		m
	Are you requesting any additional infrastructure in the waste and recycling storage room (carousel, optic sensors, number of bins, automatic bin exchange, size)? If yes, fill in the section below	□ Yes	🗆 No
	Please detail the type of additional infrastructure:		
2			
	If a compactor is included, what is the proposed compaction ratio (it is not to exceed 2:1)?		
	Will the development elect to have kerbside collection? (only applies to developments with less than 6 units that satisfy the requirements outlined in the General Requirements section)	Yes	🗆 No
	What type of problem waste will be dealt with in this development? (e.g. electronic waste, batteries, fluorescent tubes and mobile phones)		
	How much space in the waste and recycling storage area has been allocated for textile waste?		m²
	Will a chute system be utilised in the new development? If yes, will the chute system be a single (general waste) or dual system (two separate chutes for waste and recycling)? If no, move onto question 5.	☐ Yes☐ single☐ No	or 🗌 dual
	Has the chute system been designed according to the relevant minimum		
3	manufacturing standard?	Yes	🗆 No
	What is the total maximum travel distance from any residential dwelling entry to a chute system on any given storey? (It is not to exceed 30 metres)		m
	Has the chute system been designed and certified according to the relevant acoustic standards?	Yes	🗆 No



	Is there a chute room on each habitable floor of a development with a chute system?	Yes	□ No
	Does the chute room include space for:		
4	 recycling MGBs (if a single chute system is used) the chute inlet hopper spare MGBs large cardboard and/or bulky items to reduce the likelihood of blockages in chutes. 	□ Yes	🗆 No
	In which of the following ways will on-site collection of waste, recycling , take place?	, textile waste a	and bulky items
	1 In the building's basement	Yes	🗆 No
5	2 At grade within the building in a dedicated collection or loading bay	Yes	🗆 No
	3 At grade and off-street within a safe vehicular circulation system where, in all cases, vehicles will enter and exit the premises in a forward direction	□ Yes	🗆 No

Residential single dwellings

All single-dwelling houses, small-scale villas or townhouse-type developments with bins allocated to and managed at each individual dwelling is to address the following.

Refer to Residential Single Dwellings section in Guidelines.

1	Has space for at least two day's generation of waste, recycling and food waste been provided per dwelling?	Yes	🗆 No
	Has storage area for one each of council's specified waste bins been allocated per unit? (including general waste, recycling, food waste and garden organics)	□ Yes	🗆 No
	Has appropriate access between the waste and recycling storage area and kerbside collection point been allocated?	Yes	🗆 No
	Has sufficient space for the storage of bulky waste, textile waste and problem waste been allocated?	□ Yes	□ No

EUFSYDNEY (23)

Non-residential developments

	-residential developments w non-residential developments are to address the following.				E FSYDNPY
Refer	to Non-Residential Developments section in Guidelines.				R
1	How much space is dedicated for storing bulky waste and problem waste for recycling?] m²	
2	Dedicated space (in or attached to the waste and recycling storage area) is provided for the storage and recycling of food waste for collection	Yes	🗆 No		
	How much space has been allocated for management of re-usable items (such as crates, pallets, kegs and fit-out waste)?			Details at Stag	to be provided e 2 DA
3	Have kitchens, office tearooms, service and food preparation areas been designed with dedicated space to collect and recycle food waste?	Yes		Details at Stag	to be provided e 2 DA
	Has secure space for the storage of liquid wastes been allocated (such as chemicals, paints, solvents, and motor and cooking oil)?	Yes	🗆 No		
4	Will collection of non-residential waste take place inside the new development?	Yes	🗆 No		
5	Will the site employ the use of a waste caretaker or cleaner for managing non-residential waste?	Yes	🗆 No		
Ū	Will the development employ on-site weighing of waste materials?	□ Yes	🗆 No	To be Stage	considered at 2 DA
6	Has the 'Non-Residential Developments' section of the Guidelines been consulted for specific requirements of different non-residential occupancies at the site?	Yes	🗆 No		

Mixed use developments

All developments containing both residential and non-residential units are to address the following.

Refer to Mixed Use Developments section in Guidelines.

1	Has separate waste and recycling storage been allocated for residential and non-residential aspects of the site?	Yes	🗆 No
	Will the collection point be shared for residential and non-residential waste?	Yes	🗆 No
	Have relevant site plans identified the storage areas, collection points and management systems for both residential and non-residential waste streams?	□ Yes	🗆 No

Declaration

Name of applicant (please p):		
Signature of applicant:		Date:	