Attachment A18

Waste Management Plan - 15-25 Hunter and 105-107 Pitt Street, Sydney

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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
A	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

	NAME	DATE	SIGNATURE
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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.

Table 2 Waste Generation Rates

	Waste Generation Rates (L/100m²/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 3 Waste Generation Assessment

		Waste Generation Assessment (L/week)					
Use	NLA	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

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 Volume		
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.

Table 5 Typical Equipment Dimensions

Typical Equipment Dimensions (mm)						
Item	Item Width 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			

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 6 Core Waste Streams - Equipment and Storage

Use	Equipment	Storage Location	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

^{*} 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.

Table 7 Extended Waste Streams - Equipment and Storage

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)

^{*} 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

Waste Store	Equipment	Area Required	Area Provided
	11 x 1100L Garbage Bins	14.52m ²	
	9 x 1100L Recycling Bins	11.88m²	
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.

Table 9 Waste Collection Summary

Waste Stream	ream Equipment		Collection Operator	
Garbage	arbage 11 x 1100L Bins Five t		Private Contractor	
Recycling / CDS	Recycling / CDS 9 x 1100L Bins		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	
Glass	8 x 660L Bins	Three times per week	Private Contractor	
Food Organics	1 x Digester	Not Required	Not Required	
Extended Waste Streams	Refer Section 2.3.2	As required	Private Contractor	

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 CO₂ 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

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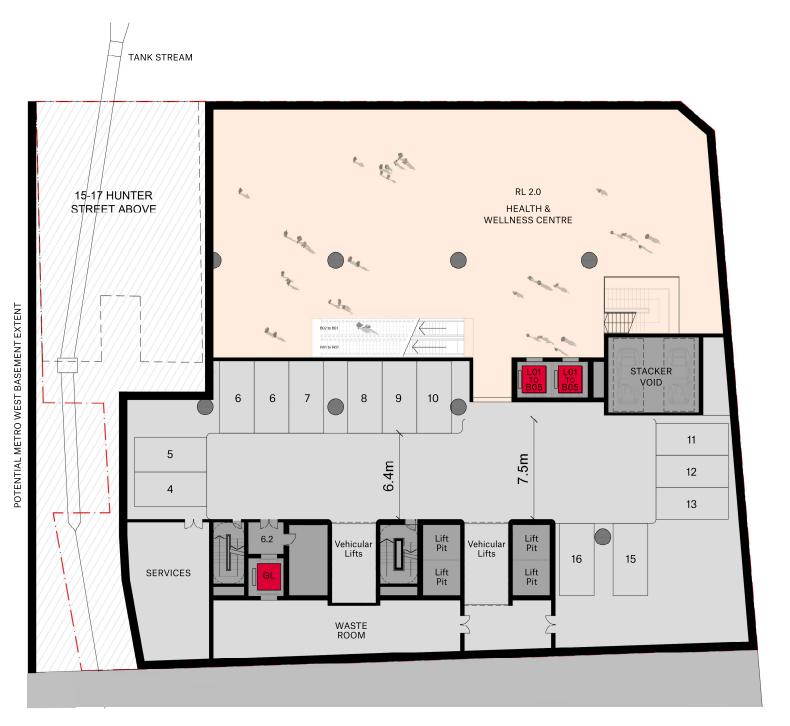


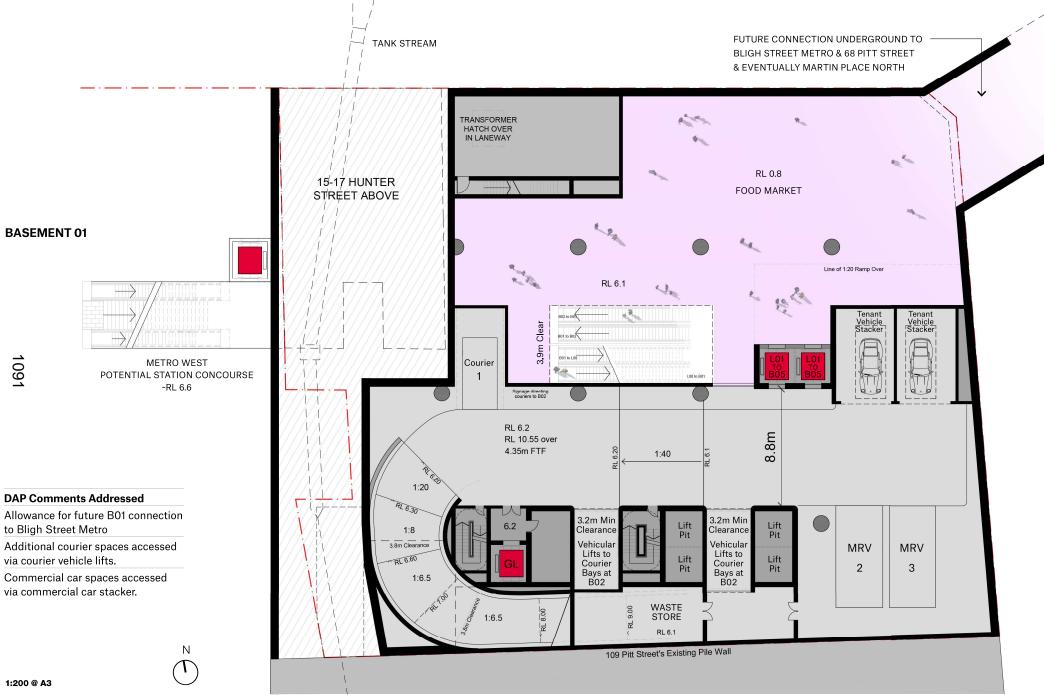
BASEMENT 02

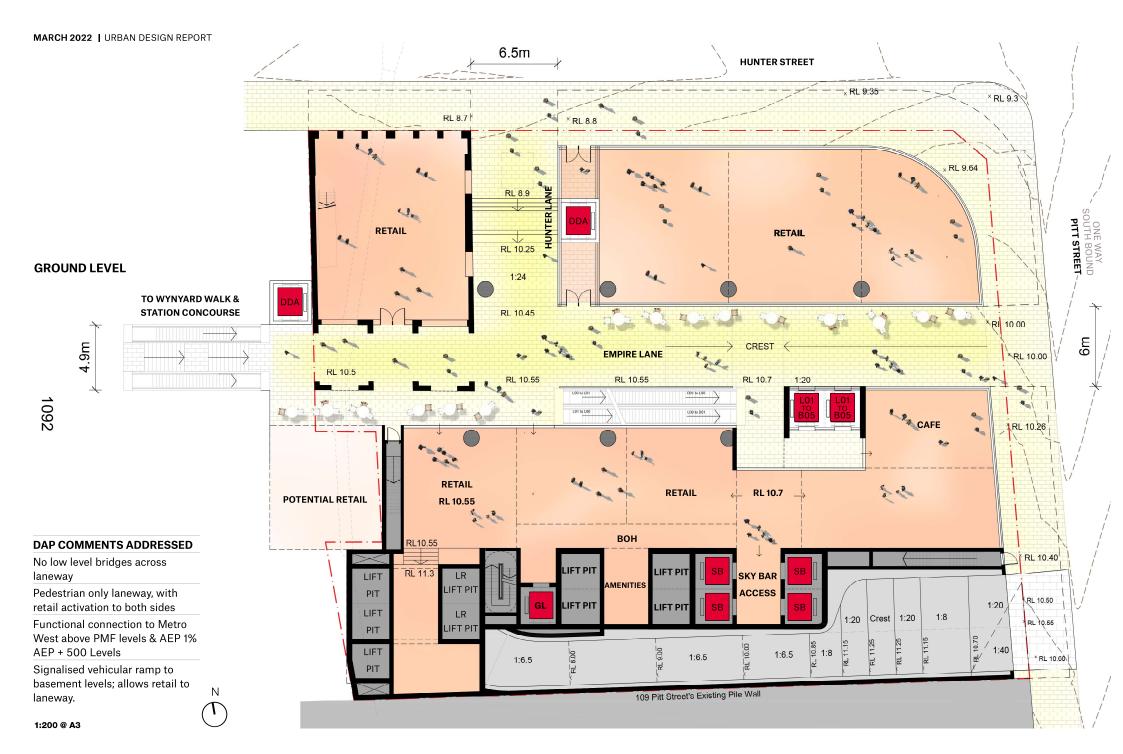
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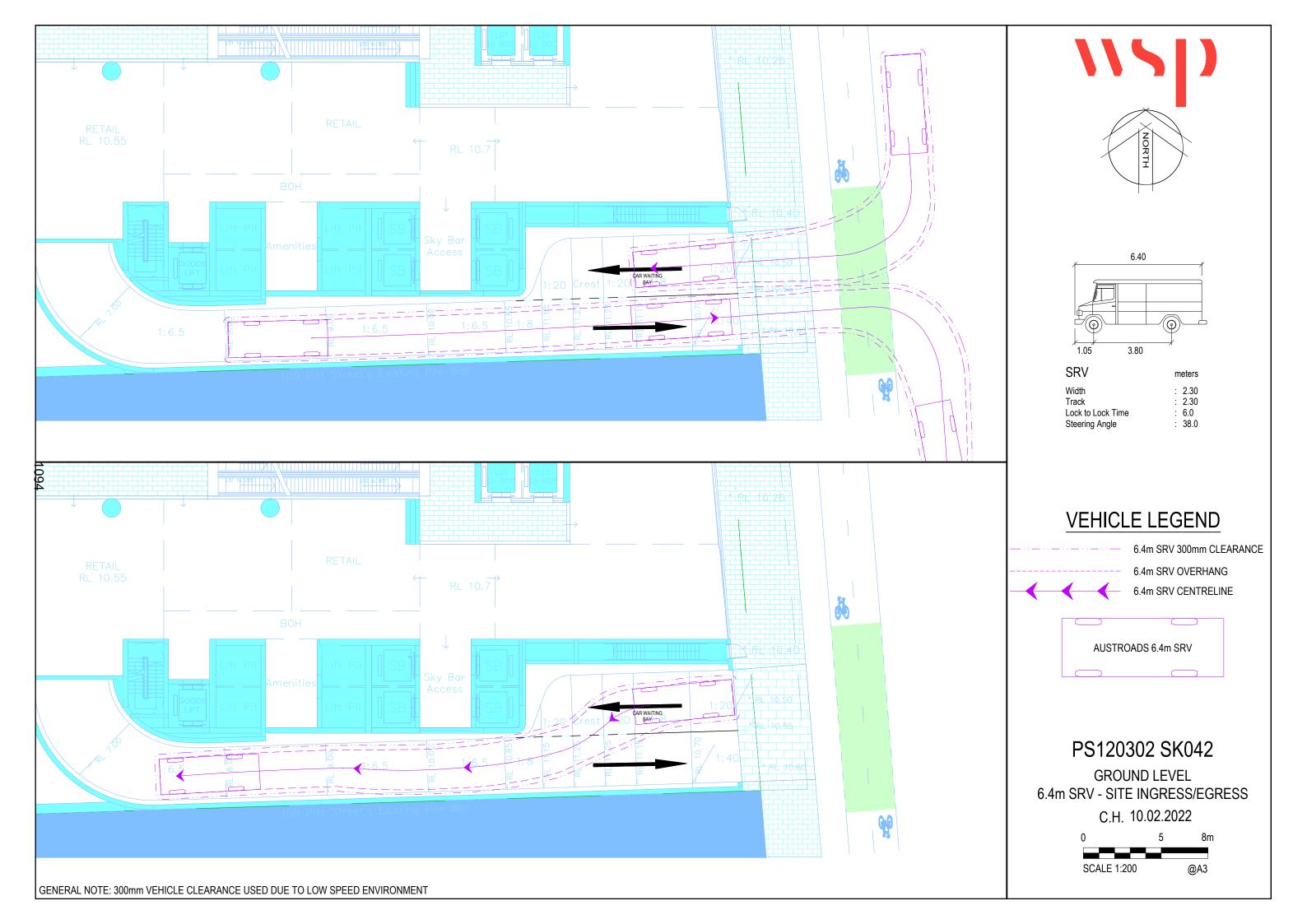




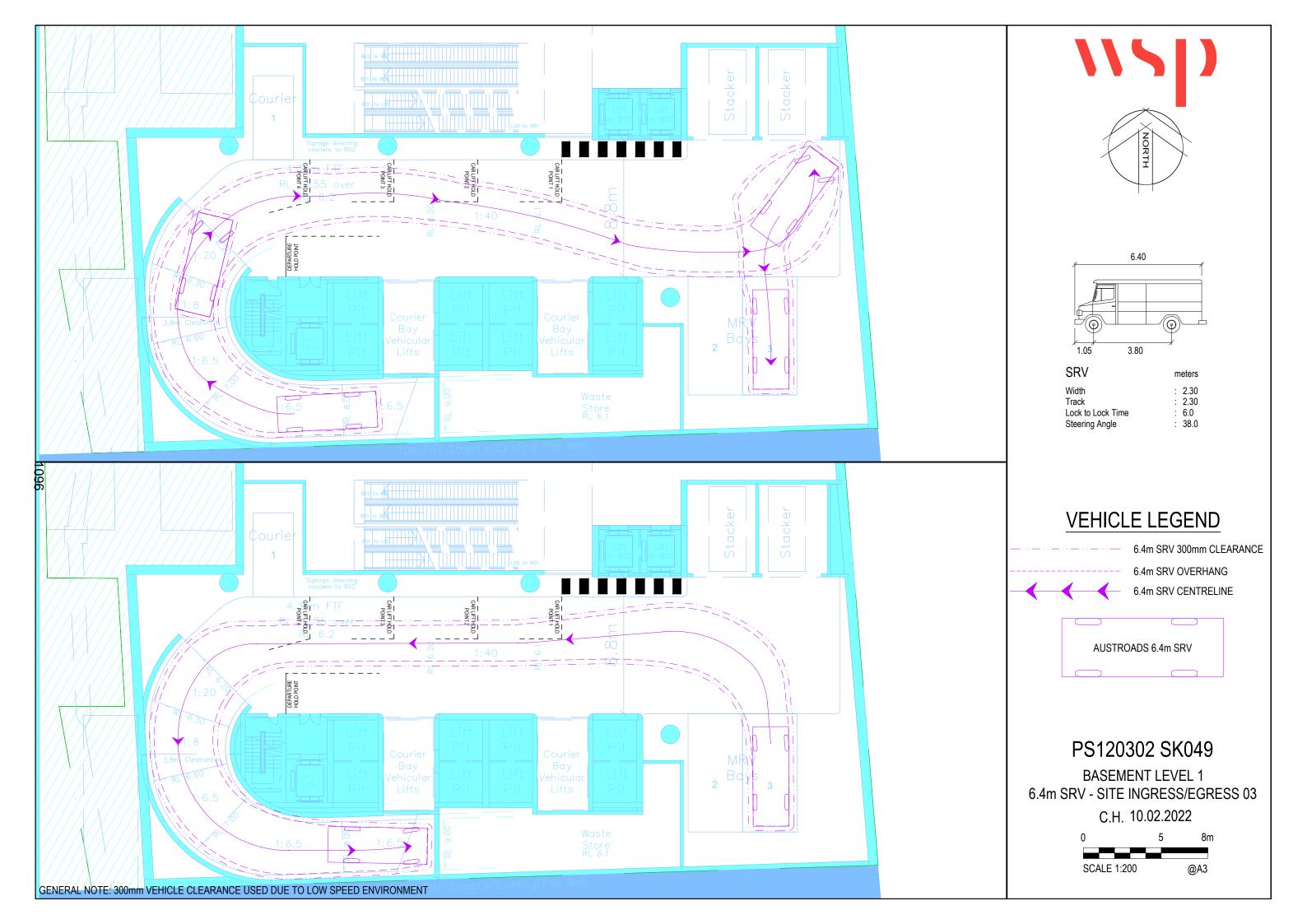


APPENDIX B SWEPT PATH DIAGRAMS









APPENDIX C

CITY OF SYDNEY WMP TEMPLATE

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Appendix Waste and Recycling Management Plan forms

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

Construction Waste and Recycling Management Plan

Refer to the Construction and Demolition Waste Requirements.

Site Address:			DA Nur	mber:		
Will you use Site Cleaners?	☐ Yes, for some work☐ Yes, for all work☐ No		Estimat	ed total volun	ne or v ht	
Please supply details of site cleaners used	ABN Number Name Phone		Mobile	Q K	5 ′	`₩
All Excavation Material (includin from Swimming Pool excavation			i AD	AIIO		
Address if re-used off site		0 >	8]
Name and Address of licensed	landfill					
	5	P,	How will yo	ou manage th	is waste?	
Less Type of Material than 10 m ³	ONNOFI	عو ،-site	Recycle (separate collection from site)	Recycle (off-site separation)	Landfill	% of material diverted from landfill
Bricks						%
Concrete	&					%
Tiles)`					%
Timbr						%
						%
Gla.						%
Ceiling tiles						%
Metals (ferrous)						%
Carpet						%
Electronic waste						%
	Total diversion of waste fro	m landfill (needs to be	minimum 80%	diversion):	%



Principal Off-Site Recycler/s	Off-Site Recycler's Primary Markets for Materials (for residential developments over three storeys and all non-residential developments)	Principal Licensed Landfill Site
		3E ICATION SECOND
Declaration Name of applicant (please print): Signature of applicant:	NASIE ON	Date:
CONSTRUCTION		

1100

B. Demolition Waste and Recycling Management Plan

Refer to the Construction	n and Demo	olition Waste Requ	iirements.				\preceq
Site Address:				DA Nui	mber:		
Does demolition contain	in asbestos	?		☐ Yes	□ No		YDNEY
All asbestos waste is to be Work Health and Safety Reg					☑ if under 10 ☑ if over 1	S	200
WorkCover Licence No.	and Class					•	
Demolition contractor de	etails			_ <	SSV		
Licensed landfill				OPT	OL		
General demoliti	ion wast	te	B	70,			
			0 %	√ will yo	ou manage th	nis waste?	
Type of Material	Less than 10 m³	PI er	AA	Recycle (separate collection from site)	Recycle (off-site separation)	Landfill	% of material diverted from landfill
Bricks		4					%
Concrete	7	6 ' _					%
Tiles							%
Timber (c'	*						%
all a							%
O. Vie							%
Metarous)							%
Mixed recycling							%
	To	otal diversion of v	vaste from landfill (needs to be	minimum 80%	diversion):	%







Principal Off-Site Recycler/s	Off-Site Recycler's Primary Markets for Materials (for residential developments over three storeys and all non-residential developments)	Principal Licensed Landfill Site
		ORLON
Declaration Name of applicant (please print): Signature of applicant:		Date:
illes		
DEMOVOK		



C. Operational Waste and Recycling Management Plan

20	

Site Address:				DA Number:					S
☐ Residential Only ☐ Mixed Residential		velopment							SYUNEY
Generation of Refer to the Waste Ge	waste eneration rates in G	Guidelines.			A •	AN			
RESIDENTIAL MULTI-UNIT Number of dwellings	Waste generation/ week (100L/dwelling)	Nominated waste bin size (L)	Total number of bins estimated	Recycling generation week (120)	AI PI	number bins estimated			
e.g. 6	600	240	3			3			
e.g. 20	2000	660	3	COL	660	4			
1103			EFER	Recycling generation week (1201) Recycling generation/week (120L/dwelling)					
RESIDENTIAL SINGLE DWELLINGS Number of dwellings	Waste generation/ week (100L/dwelling,	N	.ed	Recycling generation/ week (120L/dwelling)	Nominated recycling bin size (L)	Total number of bins estimated	Food waste generation/week (for single unit dwellings only)	Nominated food waste bin size (L) (for single unit dwellings only)	Total number of bins estimated
e.g. 1	100		1	120	120	1	40	60	1





					S	,			
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 generation L/day		al 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 m²)	2200	660	4			5	1650	660	3
e.g Restaurant (200 m²)	200	240	1	· (3)	660	1	200	240	1
1 1 0									
4									
		?	N. M.						



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 Management Local Approvals Policy (fou	■ Yes	□ No		
1	Is there a waste and recycling storage	■ Yes	□ No		
	Is the waste and recycling areas locate 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 and recycling storage areas (m²)		
	What is the total area of bin storage pro	ovided?		(m²)	
	Is the layout of the waste and recycling easy recycling and separation of different	□ Yes	□ No		
	What is the ceiling height of the was		m		
	Have you submitted a detailed plan of together with the nominated collection	□ Yes	□ No		
	Please include name and location of re				
	Is there sufficient space provided fo recycling bins PLUS handling?	r the estimated general waste and	□ Yes	□ No	
	How much separate space is dedica problem waste?	ated for storing bulky waste and		m²	
2	What type of storage space for bulk allocated? (e.g. designated area, lor recycling storage room or other)				
	Is food waste or compostable mater applicable management system/s b	□ Yes	□ No		
	Suitable space available for com				
	On-site food waste processing sy	ystem	☐ System	n type:	
	• Other (please energify)				
	Other (please specify)				



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	Is the collection point sufficiently accessible by collection operators?	□ Yes	□ No		
	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 man transfer, educating occupants etc.) for the development?	agement, clea	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		
4	Please provide an overview summary of the development's waste managarrangements, including a description of how occupants, cleaners and/or use the waste management facilities and how waste will be stored, transp	r building mar	nagement	: will	
	(This is to be consistent with the drawings attached. Please attach additional	pages if more	space req	uired)	



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
3	Has the chute system been designed according to the relevant minimum 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





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		here a chute room on each habitable floor of a development with a ute system?	□ Yes	□ No
	Do	es 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
5		which of the following ways will on-site collection of waste, recycling , $\dot{\tau}$ e place?	textile waste a	and bulky items
	1	In the building's basement	□ Yes	□ No
	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

Non-residential developments

All new non-residential developments are to address the following.

Refer to Non-Residential Developments section in Guidelines.

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		(36)
3	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
	Have kitchens, office tearooms, service and food preparation areas been designed with dedicated space to collect and recycle food waste?	□ Yes	□ No	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		
	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.

	Has separate waste and recycling storage been allocated for residential and non-residential aspects of the site?	□ Yes	□ No
1	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 print):					
Signature of applicant:	Date:				