



WASTE MANAGEMENT PLAN

PREPARED FOR
Deicorp

ON BEHALF OF
Nordon Jago Architects

Mixed Use Development

Pemulwuy Precinct 2
Redfern, NSW, 2016

24/07/2020

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REVISIONS

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EXECUTIVE SUMMARY

This waste management plan covers the ongoing management of waste generated by the mixed use development located at Pemulwuy Precinct 2, Redfern, NSW, 2016.

Waste audit and management strategies are recommended for new developments to provide support for the building design and promote strong sustainability outcomes for the building. All recommended waste management plans will comply with council codes and any statutory requirements. The waste management plan has three key objectives:

- i. ***Ensure waste is managed to reduce the amount of waste and recyclables to land fill*** by assisting residents to segregate appropriate materials that can be recycled; displaying signage to remind and encourage recycling practices; and through placement of recycling and waste bins in the retail precinct to reinforce these messages.
- ii. ***Recover, reuse and recycle*** generated waste wherever possible.
- iii. ***Compliance*** with all relevant codes and policies.

To assist in providing clean and well-segregated waste material, it is essential that this waste management plan is integral to the overall management of the building and clearly communicated to residents and tenants.

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GLOSSARY OF TERMS

TERM	DESCRIPTION
<i>Baler</i>	A device that compresses waste into a mould to form bales which may be self-supporting or retained in shape by wire ties and strapping
<i>Chute</i>	A ventilated, essentially vertical pipe passing from floor to floor of a building with openings as required to connect with hoppers and normally terminating at its lower end at the roof of the central waste room(s)
<i>Collection Area/Point</i>	The position or area where waste or recyclables are actually loaded onto the collection vehicle
<i>Compactor</i>	A Machine for compressing waste into disposable or reusable containers
<i>Composter</i>	A container/machine used for composting specific food scraps
<i>Crate</i>	A plastic box used for the collection of recyclable materials
<i>Garbage</i>	All domestic waste (Except recyclables and green waste)
<i>Hopper</i>	A fitting into which waste is placed and from which it passes into a chute or directly into a waste container. It consists of a fixed frame and hood unit (the frame) and a hinged or pivoted combined door and receiving unit
<i>Recycling</i>	Glass bottles and jars – PET, HDPE and PVC plastics; aluminium aerosol and steel cans; milk and juice cartons; soft drink, milk and shampoo containers; paper, cardboard, junk mail, newspapers and magazines
<i>Green</i>	Garden organics such as small branches, leaves and grass clippings, tree and shrub pruning, plants and flowers, and weeds
<i>L</i>	Litre(s)
<i>Liquid Waste</i>	Non-hazardous liquid waste generated by commercial premises that is supposed to be connected to sewer or collected for treatment and disposal by a liquid waste contractor (including grease trap waste)
<i>Mobile Garbage Bin(s) (MGB)</i>	A waste container generally constructed of plastic with wheels with a capacity in litres of 120, 240, 660, 1000 or 1100, 1500 or 2000
<i>Putrescible Waste</i>	Component of the waste stream liable to become putrid. Usually breaks down in a landfill to create landfill gases and leachate. Typically applies to food, animal and organic products.

REPORT CONDITIONS

The purpose of this report is to document a Waste Management Plan (WMP) as part of a development application and is supplied by EFRS with the following limitations:

- Drawings, estimates and information contained in this waste management plan have been prepared by analysing the information, plans and documents supplied by the client, and third parties including Council and government information. The assumptions based on the information contained in the WMP is outside the control of EFRS;
- The figures presented in the report are an estimate only – the actual amount of waste generated will be dependent on the occupancy rate of the building/s and waste generation intensity as well as the building managements approach to educating residents and tenants regarding waste management operations and responsibilities;
- The building manager will make adjustments as required based on actual waste volumes (if waste is greater than estimated) and increase the number of bins and collections accordingly;
- The report will not be used to determine or forecast operational costs or prepare any feasibility study or to document any safety or operational procedures;
- The report has been prepared with all due care however no assurance or representation is made that the WMP reflects the actual outcome and EFRS will not be liable to you for plans or outcomes that are not suitable for your purpose, whether as a result of incorrect or unsuitable information or otherwise;
- EFRS offer no warranty or representation of accuracy or reliability of the WMP unless specifically stated;
- Any manual handling equipment recommended should be provided at the recommendation of the appropriate equipment provider who will assess the correct equipment for supply;
- Design of waste management chute equipment and systems must be approved by the supplier.
- EFRS cannot be held accountable for late changes to the design after the WMP has been submitted to Council.
- EFRS will provide specifications and recommendations on bin access and travel paths within the WMP, however it is the architect's responsibility to ensure the architectural drawings meet these provisions.
- EFRS are not required to provide information on collection vehicle head heights, internal manoeuvring and loading requirements. These variables are considered to be within the applicable Traffic Consultants domain.
- Council are subject to changing waste and recycling policies and requirements at their own discretion.

This WMP has only been finalised once the Draft Watermark has been removed. If the Draft Watermark is present, the information in the WMP is not confirmed.

INTRODUCTION

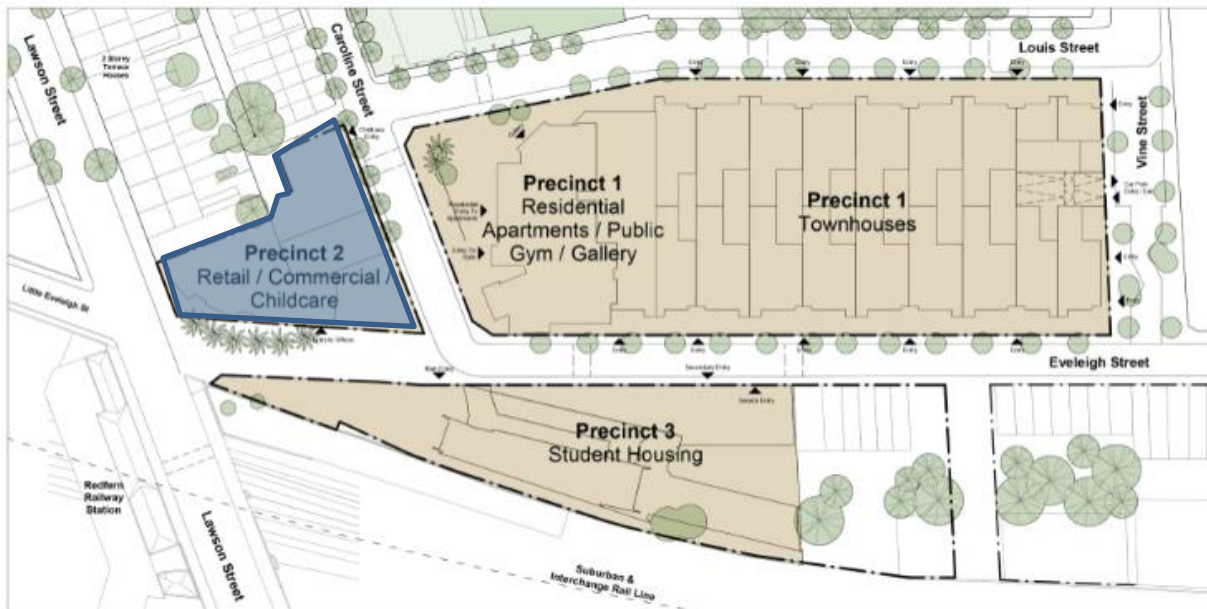
The following waste management plan pertains to the mixed use development located at Pemulwuy Precinct 2, Redfern, NSW, 2016. This precinct is a part of a larger development (See Figure 1 Site Plan). This waste management plan is an operational waste management plan and will address the phases of the completed development.

For the purpose of this report the proposed development will consist of:

- One building, consisting of;
 - 374 m² for a childcare centre on level 1 catering from 60 children
 - 413 m² for retail tenancies on level 2
 - 829 m² for commercial office tenancies on level 3 & 4

All figures and calculations are based on area schedules as advised by our client and shown on architectural drawings

Figure 1 Site Plan



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CITY OF SYDNEY COUNCIL

The garbage and recycling will be guided by the services and acceptance criteria of the City of Sydney Council. All waste facilities and equipment are to be designed and constructed to be in compliance with the *Sydney Development Control Plan 2012*, City of Sydney's *Policy for Waste Minimisation in New Developments 2005*, Council Advices, Australian Standards and statutory requirements.

COUNCIL OBJECTIVES

Space – to allocate sufficient areas within developments for the efficient access, storage and collection of waste and recycling.

Access – to ensure waste systems are easy to use and collection vehicles are able to access buildings to remove waste safely and efficiently;

Safety – to ensure safe practises for storage, handling and collection of waste and recycling;

Services – to provide guidance on the Council's expectations for delivering effective waste services including bin handling and collection points, and managing bulky, problem waste and stripout waste.

Management – to ensure clarify regarding the roles providing waste management systems for developments and to demarcate service provision.



GENERATED WASTE VOLUMES

The assessment of projected waste volumes is a calculated estimate only and will be influenced by the development's management and occupant's waste disposal and recycling practices.

CONSTRUCTION AND DEVELOPMENT WASTE

The head contractor will be responsible for removing all construction-related waste offsite in a manner that meets all authority requirements. Please refer to the separate waste management plan submitted for construction waste as part of the Development Application.

BUILDING MANAGER/WASTE CARETAKER

All waste equipment movements are to be managed by the building manager/cleaners at all times.

The building manager/cleaner duties include, but are not limited to, the following:

- Organising, maintaining and cleaning the general and recycled waste holding areas (Frequency will depend on waste generation and will be determined based upon building operation);
- Transporting of bins as required;
- Organising both garbage and recycled waste pick-ups as required;
- Cleaning and exchanging all bins;
- Ensure site safety for staff, visitors and contractors;
- Abide by all relevant OH&S legislation, regulations, and guidelines;
- Assess any manual handling risks and prepare a manual handling control plan for waste and bin transfers; and
- Provide to staff/contractors equipment manuals, training, health and safety procedures, risk assessments, and PPE to control hazards associated with all waste management activities

***NOTE:** It is the responsibility of the building manager to monitor the number of bins required for the development. As waste volumes may change according to the development's management and occupants' attitudes to waste disposal and recycling, bin numbers and sizes may need to be altered to suit the building operation.*



REPORTING

It is recommended that building management ensure that all waste service providers submit monthly reports on all equipment movements and weights of any waste and recycling products removed from the development. Regular reviews of servicing should take place to ensure operational and economic best practise and to assist with sustainability reporting.

EDUCATION

Building management is responsible for creating and managing the waste management education process.

Educational material encouraging correct separation of garbage and recycling items must be provided to each resident to ensure correct use of the waste and recycling equipment. This should include the correct disposal process for bulky goods (old furniture, large discarded items, etc.) It is recommended that information is provided in multiple languages to support correct practises and minimise the possibility of contamination in the collective waste bins.

It is expected that leasing arrangements with retail/commercial operations contain direction on waste management services and expectations.

SIGNAGE

The building manager/caretaker is responsible for waste room signage including safety signage (see *APPENDIX B & APPENDIX B.3*). Appropriate signage must be prominently displayed on walls and above all bins, clearly stating what type of waste or recyclables is to be placed in the bin underneath.

RETAIL AND COMMERCIAL WASTE PLAN

The Council of the City of Sydney's *Policy for Waste Minimisation in New Developments 2005* and has been referenced to calculate the total number of bins required for the retail areas. Please note that calculations are based on generic figures; waste generation rates may differ according to the tenants' waste management practice. Please note that ground floor area has been divided by two to estimate the waste generation of future tenants.

A seven day operating week has been assume for the retail tenancies and a five day operating week has been assumed for the commercial offices.

Table 1: Calculated Waste and Recycling Generation – Retail and Commercial

Type	NLA (m ²)	Waste Calculation (L/100m ² /day)	Generated Waste (L/week)	Recycling Calculation (L/100m ² /day)	Generated Recycling (L/week)
Retail - Restaurant/Eating	206.5	667	9641.485	135	1951.425
Retail - Non-Food (>100m ²)	206.5	50	722.75	50	722.75
Commercial - Offices	829	10	414.5	10	414.5
TOTAL	1242		10778.735		3088.675

RETAIL AND COMMERCIAL BIN SUMMARY

The commercial (office) and the retail sections of the building will share use of waste and recycling bins in the waste room. It has been assumes that 1/3 of the recycling will be co-mingle recycling and 2/3 will be paper and cardboard recycling.

The following bins will be required for the retail tenancies and office tenancies:

Waste: 3x 1100L MGB collected **three times weekly**

Recycling (Paper): 1x 1100L MGB collected **three times weekly**

Recycling (Co-Mingled): 1x 1100L MGB collected **three times weekly**

It is the responsibility of the building manager to monitor the number of bins required for the retail and commercial office components. Waste volumes may change according to the development's management, customer base and tenancy attitudes to waste disposal and recycling. The bin numbers, sizes and collection frequencies may need to be altered to suit the building operation. Seasonal peak periods i.e. public and school holidays should also be considered.

RETAIL WASTE MANAGEMENT

The retail tenancies will be required to be responsible for their own storage of waste and recycling back of house (BOH). On completion of each trading day or as required, nominated retail staff/cleaners will transport their waste and recycling, using the access corridor, to the retail waste room on Ground Level and place waste and recycling into the appropriate collection bins

Food handling for food cooked or prepared, served and consumed on site will produce a typical waste composition of food scraps from plates, packaging waste and some plastics. Café or restaurant staff will be responsible for their waste management.

Cardboard is a major component of the waste generated by cafes/restaurants. All cardboard should be flattened (to save bin space), placed in and collected from bulk bins. Whilst cardboard is bulky, it is generally lightweight however it can be contaminated with food or liquid which makes it unsuitable for recycling.

It is recommended that:

- All waste should be bagged and waste bins should be plastic lined;
- Bagging of recyclables is not permitted;
- All waste collections located BOH during operations;
- Individual recycling programs are recommended for retailers to ensure commingled recycling is separated correctly;
- Any food and beverage tenant will make arrangements for storing used and unused cooking oil in a bunded storage area;
- The operator will organise grease interceptor trap servicing;
- A suitable storage area needs to be provided and affectively bunded for chemicals, pesticides and cleaning products;
- Dry basket arresters need to be provided to the floor wastes in the food preparation and waste storage areas;
- Washroom facilities should be supplied with collection bins for paper towels (if used); and
- All flattened cardboard will be collected and removed to the waste room recycling MGB

COMMERCIAL WASTE MANAGEMENT

Receptacles for waste and recycling will be placed in each office tenancy, typically next to desks, in the kitchen and centrally in each space.

Cleaners or staff will circulate around the workplace after normal office hours and perform cleaning tasks. At this time the cleaners will empty the waste and recycling receptacles into bags which they transport around the offices in a cart which is also used to store cleaning products, spare bags, PPE and consumables.

The cleaners will then transport the waste and recycling to the designated retail and commercial waste room and place the waste and recycling into the appropriate 1100L bins.

CHILDCARE WASTE PLAN

The Council of the NSW EPA's *Better Practice Guidelines for Resource Recovery in Residential Developments* 2019 and has been referenced to calculate the total number of bins required for the retail areas. Please note that calculations are based on generic figures; waste generation rates may differ according to the tenants' waste management practice. A 5 day operating week is assumed.

Table 2: Estimated Waste and Recycling Generation – Childcare

Type	# Children	Waste Calculation (L/child/day)	Generated Waste (L/week)	Recycling Calculation (L/child/day)	Generated Recycling (L/week)
Childcare	60	20	6000	5	1500
TOTAL	60		6000		1500
	Waste Bin Size		1100	Recycling Bin Size 1100	
	Waste Bins Per Day		0.7792208	Recycling Bins Per Day 0.1948052	

CHILDCARE BIN SUMMARY

The following bins will be required for the childcare:

Waste: 2x 1100L MGB collected **three times weekly**

Recycling: 1x 1100L MGB collected **three times weekly**

With a three times weekly collection during a 5-day operating week, the maximum number of days between collections is two days. Weekends are excluded as it is assumed that the childcare will not operate on these days. Based on the estimates of waste and recycling generation, 2x 1100L MGBs for waste allows for at least 2.5 days capacity and 1x 1100L MGB for recycling allows for 5.2 days capacity.

It is the responsibility of the building manager to monitor the number of bins required for the childcare components. Waste volumes may change according to the development's management, customer base and tenancy attitudes to waste disposal and recycling. The bin numbers, sizes and collection frequencies may need to be altered to suit the building operation. Seasonal peak periods should also be considered.



CHILDCARE WASTE MANAGEMENT

It is expected that the contract cleaners appointed by the childcare centre will remove bagged waste and separated recycling from the allocated collection points and deposit it into the appropriate bins located within the childcare premises.

The child care centre will also appoint its own private waste services provider for garbage and recycling services.

Most recycling generated by child care centres include soiled nappies, wipes and change sheets. Dedicated waste bins are to be allocated for sorting and storage of general waste and disposable nappies. A recycling service for soiled disposable nappies should be investigated.

Secure destruction bins will be operated on a wheel in wheel out basis by the appointed contractor/s if required.

It is recommended that all amenities and work station areas be furnished with suitable recycling and waste collection receptacles.

Washroom facilities should be supplied with collection bins for paper towels (if used).

All staff will be responsible for management of their general waste and storage of same.

Staff tea points and food preparation areas will be supplied with a dedicated commingled collection receptacle for the collection of all recyclable glass and plastic items. Staff will be responsible for sorting this material and allocating recyclables into the correct collection facility.

OTHER WASTE MANAGEMENT PROCEDURES

WASHROOMS

Washroom facilities should be supplied with collection bins for paper towels (if used). Sanitary bins for female restroom facilities must also be arranged with an appropriate contractor.

Please note that all collection receptacles and bins should be branded with the appropriate stickers and the use of the Mobius loop or similar identifying recycling equipment.

MANAGEMENT OF SPECIALITY WASTE STREAMS

The building manager is responsible for making arrangements for the disposal and recycling of specialised waste streams with an appropriate contractor. Specialised wastes cannot be placed in general waste as they can have adverse impacts to human health and the environment if disposed of in landfill. Retail and Commercial tenants will need to liaise with the building manager when disposing of specialised waste streams.



Specialised waste streams include:

- Chemical Waste
- Liquid wastes
- Toner cartridges
- Lightbulbs
- eWaste
- Batteries

REUSABLE ITEMS

Reusable items such as crates, kegs and pallets will be kept back of house in one of the storage areas. The building manager will be responsible for ensuring at no time these items are stored in a public location.

WASTE ROOM AREAS

The waste room will need to hold all of the waste generated by the Childcare, Retail and Commercial spaces between collections. The waste room must allow enough room to access all the bins as well as clean and safely manoeuvre bins.

The areas allocated for bin holding area are detailed in Table 3 below. The areas provided are considered suitable for purpose.

Table 3: Waste Room Areas

Location	Waste Room Type	Equipment	Recommended Area (m ²)
Level 2	Retail and Commercial Waste Room	3x 1100L MGB (waste) 1x 1100L MGB (Recycling – paper) 1x 1100L MGB (recycling – Co-mingled)	>15
Level 1- Childcare	Childcare Bin Storage Area	2x 1100L MGB (waste) 1x 1100L MGB (recycling)	>9



COLLECTION OF WASTE

RETAIL AND COMMERCIAL

A private contractor will be engaged to collect all 1100L MGBs from the waste room to an agreed schedule.

The private contractor will service the waste room via a wheel in/wheel out arrangement and will have access to the waste room from Caroline St or Eveleigh St

CHILDCARE

A private contractor will be engaged to collect all waste and recycling from the childcare bin storage area to an agreed schedule.

The private contractor will service the childcare bin storage area via a wheel in/wheel out arrangement and will have access to the waste room from Caroline St.

COLLECTION AREA

It is Elephant Foot's understanding that the collection areas have been reviewed by a traffic consultant to confirm the swept paths, load requirements and clearances for waste collections. It must be ensured that the collection vehicle (and other trucks if required) can conduct collections from the proposed location. The final number of truck collection will depend on management of waste contract.

GARBAGE ROOMS

CONSTRUCTION REQUIREMENTS

The garbage room will be required to contain the following facilities to minimise odours, deter vermin, protect surrounding areas, and make it a user-friendly and safe area:

- Waste room floor to be sealed with a two pack epoxy;
- Waste room walls and floor surface is flat and even;
- All corners coved and sealed 100mm up, this is to eliminate build-up of dirt;
- For retail/commercial: a cold water facility with hose cock must be provided for washing the bins;
- Any waste water discharge from bin washing must be drained to sewer in accordance with the relevant water board. (Sydney water);
- Tap height of 1.6m;
- Storm water access preventatives (grate);
- All walls painted with light colour and washable paint;
- Equipment electric outlets to be installed 1700mm above floor levels;
- The room must be mechanically ventilated;
- Light switch installed at height of 1.6m;
- Waste rooms must be well lit (sensor lighting recommended);
- Optional automatic odour and pest control system installed to eliminate all pest types and assist with odour reduction – this process generally takes place at building handover – building management make the decision to install;
- All personnel doors are hinged and self-closing;
- Waste collection area must hold all bins – bin movements should be with ease of access;
- Conform to the building code of Australia, Australian standards and local laws; and
- Childproofing and public/operator safety shall be assessed and ensured

VENTILATION

Waste and recycling rooms must have their own exhaust ventilation system either;

- Mechanically - exhausting at a rate of 5L/m² floor area, with a minimum rate of 100L/s minimum; or
- Naturally - permanent, unobstructed, and opening direct to the external air, not less than one-twentieth (1/20) of the floor area

Mechanical exhaust systems shall comply with AS1668 and not cause any inconvenience, noise or odour problem.

STORM WATER PREVENTION & LITTER REDUCTION

Building management shall be responsible for the following to minimise dispersion of site litter and prevent stormwater pollution to avoid impact to the environment and local amenity:

- Promote adequate waste disposal into the bins;
- Secure all bin rooms (whilst affording access to staff/contractors);
- Prevent overfilling of bins, keep all bin lids closed and bungs leak-free;
- Take action to prevent dumping or unauthorised use of waste areas; and
- Ensure collection contractors clean-up any spillage that may occur when clearing bins

ADDITIONAL INFORMATION

Transfer of waste and all bin movements require minimal manual handling therefore the operator must assess manual handling risks and provide any relevant documentation to building management. If required, a bin-tug, trailer or tractor consultant should be contacted to provide equipment recommendations. Hitches may require installation to move multiple bins to the collection area. Council must be informed of any hitch attachments required to be installed on bins.



USEFUL CONTACTS

Elephants Foot Recycling Solutions does not warrant or make representation for goods or services provided by suppliers.

City of Sydney Council Customer Service

Phone: 02 9265 9333

Email: council@cityofsydney.nsw.gov.au

SULO MGB (MGB, Public Place Bins, Tugs and Bin Hitches)

Phone: 1300 364 388

CLOSED LOOP (Organic Dehydrator)

Phone: 02 9339 9801

ELECTRODRIVE (Bin Mover)

Phone: 1800 333 002

Email: sales@electrodrive.com.au

RUD (Public Place Bins, Recycling Bins)

Phone: 07 3712 8000

Email: info@rud.com.au

CAPITAL CITY WASTE SERVICES

Phone: 02 9359 999

REMONDIS (Private Waste Services Provider)

Phone: 13 73 73

SITA ENVIRONMENTAL (Private Waste Services Provider)

Phone: 13 13 35

NATIONAL ASSOCIATION OF CHARITABLE RECYCLING ORGANISATIONS INC. (NACRO)

Phone: 03 9429 9884

Email: information@nacro.org.au

PURIFYING SOLUTIONS (Odour Control)

Phone: 1300 636 877

Email: sales@purifyingsolutions.com.au

Elephants Foot Recycling Solutions (Chutes, Compactors and eDiverter Systems)

44 – 46 Gibson Avenue

Padstow NSW 2211

Free call: 1800 025 073

Email: info@elephantsfoot.com.au

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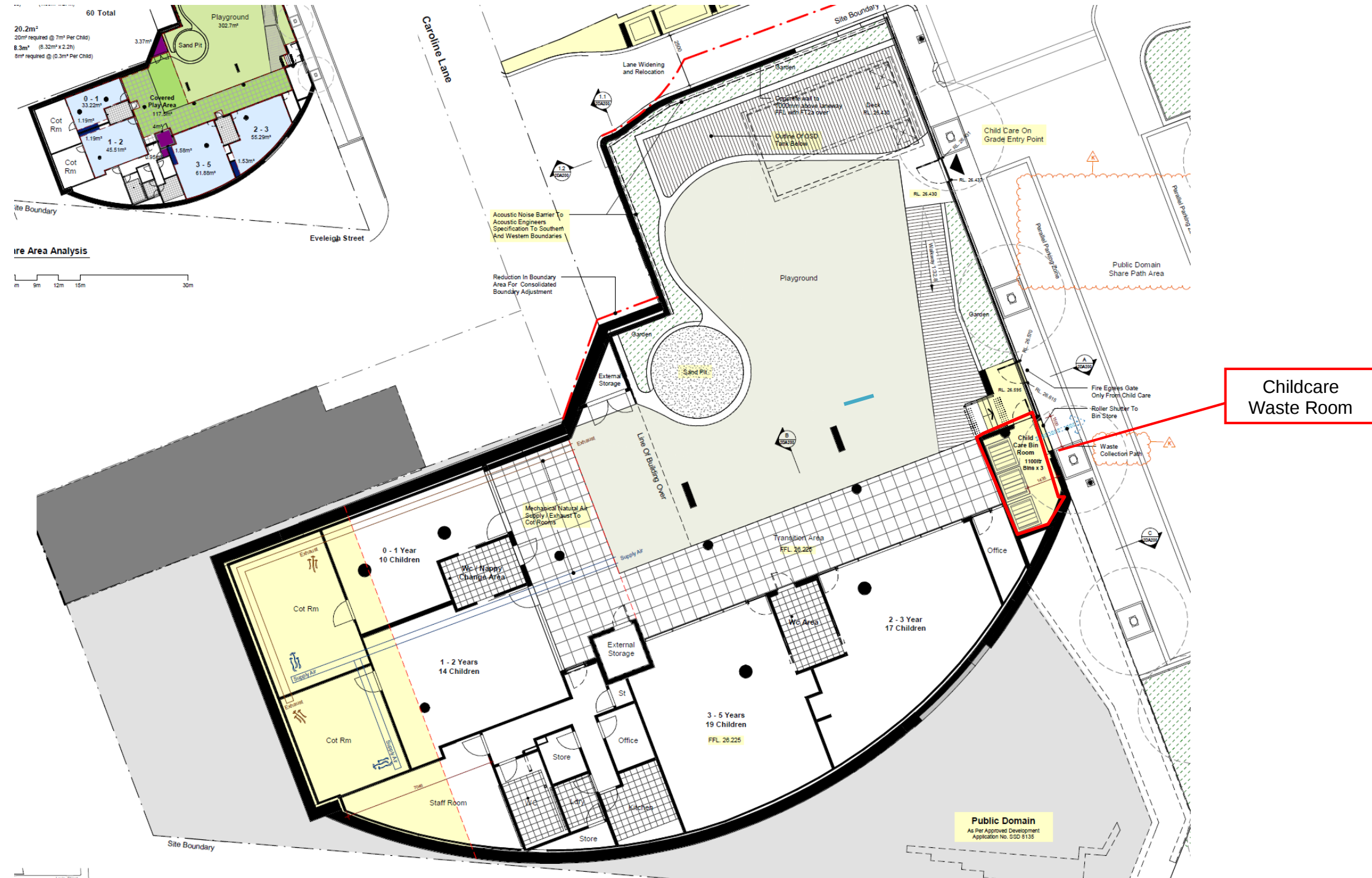
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APPENDICES

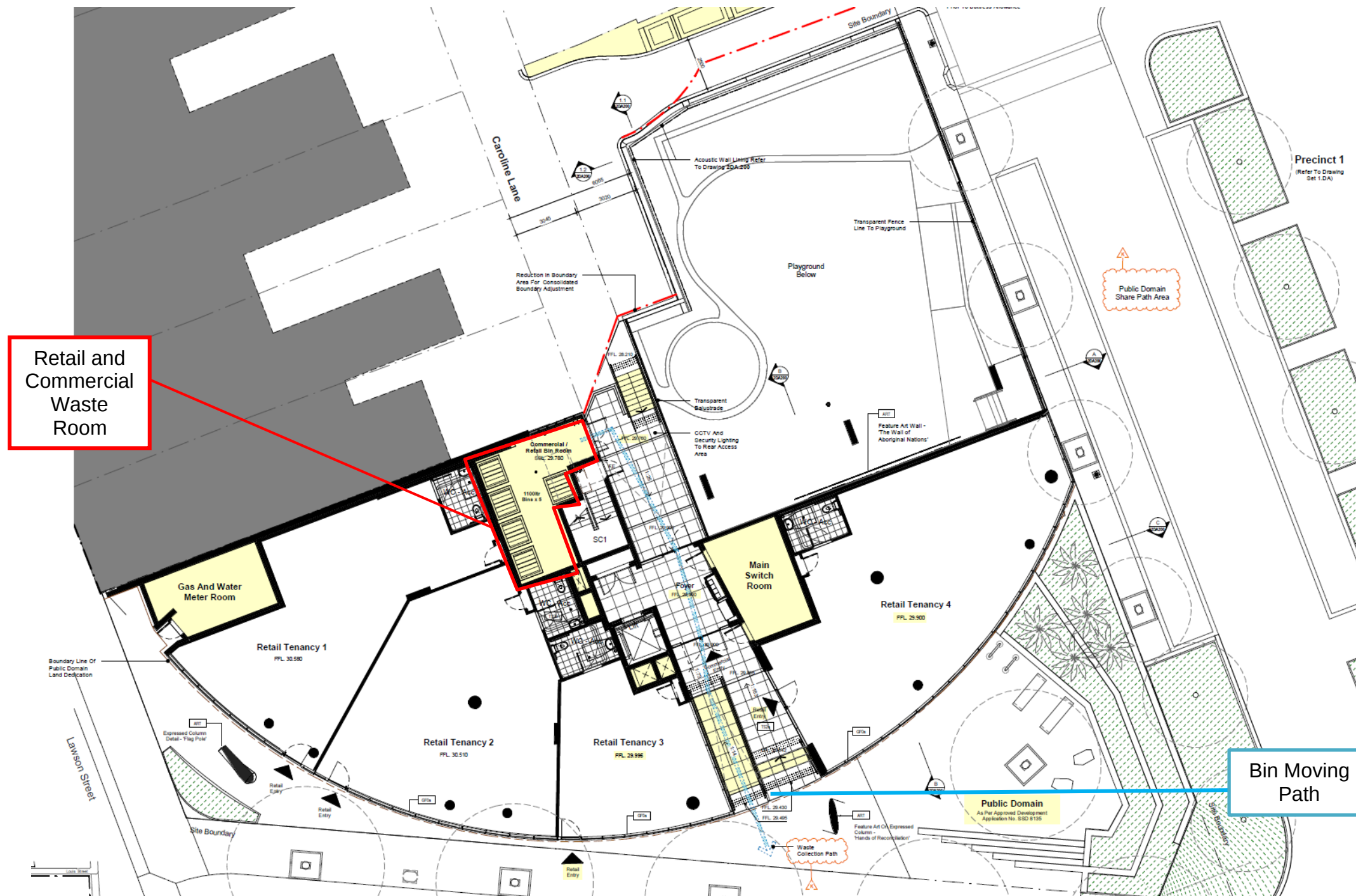
APPENDIX A DRAWING EXCERPTS

APPENDIX A.1 LEVEL 1 CHILDCARE WASTE ROOM



Source: Nordon Jago Architects, Precinct 2 – Pemulwuy Redfern, Title: Level 1, Drawing No.2DA100 J, Date: July2020

APPENDIX A.2 LEVEL 2 RETAIL AND COMMERCIAL WASTE ROOM



Source: Nordon Jago Architects, Precinct 2 – Pemulwuy Redfern, Title: Level 2, Drawing No. 2DA101 Rev K Date: July2020

APPENDIX B PRIMARY WASTE MANAGEMENT PROVISIONS
APPENDIX B.1 CITY OF SYDNEY TYPICAL BIN SPECIFICATIONS

Australian standard sizes for mobile garbage bins (MGBs)

Standard measurements

Bin type	120L MGB	240L MGB	660L MGB	1100L MGB
Height	940 mm	1080 mm	1250 mm	1470 mm
Length	560 mm	735 mm	850 mm	1245 mm
Width	485 mm	580 mm	1370 mm	1370 mm



SOURCE: City of Sydney Waste Management Guidelines for New Developments 2018

APPENDIX B.2 SIGNAGE FOR WASTE & RECYCLING BINS



APPENDIX B.3 SIGNAGE FOR COMMUNAL WASTE ROOMS & NOTICE BOARDS

The City of Sydney Council offers free resources available for communal garbage rooms and notice boards to highlight what can and cannot be recycled. These include stickers for bins and signs for bin rooms.

Book a clean up

預約清除家居物品 수거 예약 จองรับกำจัดขยะภายในอาคาร

Whitegoods and large household items collected each Wednesday.
Bookings essential and must be made before 2pm Tuesday. Ask your building manager.
Please put items at the front of your building.
For more info visit zerowaste.org.au or call 9265 9333.

每周三清除家电和大件家具。请于周二下午2点前预约。请向大楼管理员查询详情。请将物品放在大楼前面。了解详情，请访问zerowaste.org.au，或致电9265 9333。

대형 전자제품 및 가구를 매주 수요일 수거합니다. 예약은 필수로써 화요일 오후 2시 이전까지 해주셔야 합니다. 해당 건물 매니저에게 문의하세요. 해당 건물 앞에 물건을 놓아 두세요. 더 자세한 정보가 필요하시면, 웹사이트 zerowaste.org.au를 방문하시거나 9265 9333번으로 연락 주시기 바랍니다.

เก็บขยะของประเภททีวี ตู้เย็น เครื่องใช้ภายในบ้านขนาดใหญ่ๆ ทุกวันพุธ การนัดรับจะดำเนินการในวันอังคารก่อนเวลา 2 โมงของวันถัดมา สอบถามข้อมูลเพิ่มเติมจากอาคารของท่าน โปรดไปที่ zerowaste.org.au หรือโทรไปที่ 9265 9333

Yes ✓

Separate whitegoods from household items on your kerb - different trucks collect them.

將電器和傢具分開並置於人行道上。由不同的卡車收集。



Fridges
冷蔵庫 ตู้เย็น ตู้แช่



Barbecues
燒烤爐 บาร์บีคิว เตาบาร์บีคิว



Washing machines
洗衣機 세탁기 เครื่องซักผ้า



Ovens
烤箱 เตา เตาอบ



Rugs & furniture
小地毯 小傢具 พรมและเฟอร์นิเจอร์



Mattresses
床墊 매트리스 เตียงนอน



Sofas
沙發 โซฟา โซฟา



Sticks/branches
(Must be tied)
樹枝/樹條 樹枝/樹條 樹枝/樹條

No X

Visit zerowaste.org.au to find out how to dispose of hazardous and electronic waste.

請到zerowaste.org.au 查詢如何處理危險物品和電子廢物。



Garbage
垃圾 ขยะ ขยะ



Motor or cooking oil
汽油 食用油 น้ำมันเครื่องยนต์/น้ำมันพืช



Paints & chemicals
油漆 化學品 สีและสารเคมี



Car parts & batteries
汽車零件 汽車電池 ชิ้นส่วนรถยนต์/แบตเตอรี่



Building materials
建材 建築材料 วัสดุก่อสร้าง



Gas bottles
瓦斯氣瓶 แก๊ส แก๊ส

NO plastic bags

in recycling bins.

They jam the machinery.

請勿將塑膠袋投入可回收物垃圾箱。它們會阻塞機器。

재활용 쓰레기통에 비닐 봉투를 버리지 마세요. 비닐 봉투는 기계 고장의 원인이 됩니다.

ห้ามทิ้งถุงพลาสติก ในถังรีไซเคิล เพราะจะทำให้เครื่องติดขัดได้



city of sydney

zerowaste.org.au

zero waste

CITY OF SYDNEY

Printed March 2014

Garbage✓



NO sharps or syringes.

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Recycling✓



**NO plastic bags, meat trays,
compostable nappies,
chip packets / biscuit wrappers.**

city of sydney

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APPENDIX C WASTE MANAGEMENT EQUIPMENT SPECIFICATIONS

APPENDIX C.1 TYPICAL BIN MOVER



Typical applications:

- Move trolleys, waste bin trailers and 660litre/1100 litre bins up and down a ramp incline. Ideal for multi-level Buildings (to move waste bins located at a basement level to road level).
- Quiet, smooth operation with zero emissions and simple to use, no driver's licence required

Features:

- Up to 1 Tonne on a ramp surface (depending on ballast and incline)
- Anti-rollback system on slopes
- Foot print: 1548L x 795W x 1104H (handle in the drive position)
- Pin Hitch is standard however alternate hitching options may be available to suit your specific application (e.g. tow ball)

Safety Features:

- Intuitive paddle lever control
- Stops and repels the unit if activated when reversing.
- Site assessment recommended to assess ramp incline steepness (*See Useful Contacts*)