

DICKENS SOLUTIONS

WASTE MANAGEMENT PLAN

PIER PROPERTY GROUP PTY LTD (PLAYBILL VENUES PTY LTD)

REFURBISHMENT EXISTING ENTERTAINMENT VENUE & PLAZA

@ 1 DRIVER AVENUE, MOORE PARK HORDERN PAVILION

JULY 2019

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TABLE OF CONTENTS

PART	SUBJECT	PAGE
PART 1 – OVERVIEW & PROPOSAL		
1.1	Executive Summary	3
1.2	Description of Property	4
1.3	Applicants Details	4
1.4	Proposal	5
PART 2 – DEMOLITION		
2.1	Demolition – Generally	6
PART 3 – CONSTRUCTION		
3.1	Construction – Generally	7
3.2	Construction – Recycling, Reuse and Disposal Details	7
3.3	Licensed Waste Management & Recycling Facilities	9
3.3	Construction – On Site Storage of Materials	10
3.4	Construction – Excavated Material	10
PART 4 – ON GOING USE		
4.1	Objectives	11
4.2	Assumptions	11
4.3	Waste Handling & Management	12
4.4	Waste & Recycling – Service Requirements	12
4.5	Waste & Recycling Generation Rates	14
4.6	Provision of Waste and Recycling Services	17
4.7	Event Management	18
4.8	Medical and Clinical Waste	19
4.9	On Going Operation, Use & Management of Facilities	19
4.10	Reference Documents	20
PART 5 – SUMMARY		
5.1	Summary	21

PART 1 – OVERVIEW AND PROPOSAL

1.1 EXECUTIVE SUMMARY

This Waste Management Plan (WMP) is an operational plan that describes in detail the manner in which all waste and other materials resulting from the demolition, construction and on-going use of the building on the site are to be dealt with.

The aims and objectives of this WMP are to: -

- a) Satisfy all State and Local Government regulatory controls regarding waste management and minimisation practices;
- b) Promote the use of recyclable materials in the excavation, demolition, construction and on-going operation of the building;
- c) Maximise waste reduction, material separation, and resource recovery in all stages of the development; and,
- d) Ensure the design of waste and recycling storage facilities are of an adequate size, appropriate for the intended use of the building, hygienic with safe and manoeuvrable access, and that services are provided efficiently and effectively.

This WMP is prepared in accordance with: -

- The relevant provisions of the City of Sydney Local Environment Plan 2012;
- The relevant provisions of the City of Sydney DCP 2012;
- All Conditions of Consent to be issued in respect of the proposal;
- Relevant requirements of The Better Practice Guide for Waste Management in Commercial and Industrial Buildings; and,
- The objective of ensuring that all waste management facilities and collection services will provide an outcome that will be efficient, as well as promoting the principles of health, safety and convenience.

This Waste Management Plan (WMP) has been prepared for a Development Application to be submitted to the City of Sydney Council for the refurbishment of an existing entertainment facility and venue known as the Hordern Pavilion located at 1 Driver Avenue, Moore Park.

The building works consists of the refurbishment of the existing building, maintaining the existing façade and structure, upgrading the existing entertainment facilities, plaza, loading areas, landscaping, food and beverage outlets, upgrading existing basement, outdoor areas, storage, services and associated infrastructure over all areas of the site.

It is understood that two (2) separate DA's are to be submitted for the project:

- DA 1 for the Refurbishment of the Hordern Pavilion; and,
- DA 2 for the Plaza.

This WMP covers both DA's and is dated 19 July 2019.

1.2 PROPERTY DESCRIPTION

This Waste Management Plan (WMP) has been specifically designed for the development described below: -

DESCRIPTION	Alterations and additions to an existing entertainment facility and venue.
PROPERTY DESCRIPTION	The development is to be constructed over one large allotment of land at 1 Driver Avenue, Moore Park.
STREET ADDRESS	1 Driver Avenue, Moore Park
DIMENSIONS	Refer to Drawings
AREA	1.0 Hectares (Approx.)
PLANNING INSTRUMENTS	SEPP (State and Regional Development 2011); SEPP 47 (Moore Park Showground); SEPP (Infrastructure) 2007; and Draft EPP (Environment 2017) SEPP.

The site is located at 1 Driver Avenue, Moore Park, and situated on the south-western edge of the Moore Park Showground complex with further frontages along Lang Road, Driver Avenue and Errol Flynn Boulevard.

The site contains an iconic Sydney entertainment facility and venue, known as the Hordern Pavilion which comprises a large heritage listed building with external forecourt area and associated service yard immediately to the south of the building, The site has for many years a location for music concerts, dance parties, exhibitions and sporting events and a variety of diverse activities.

The land is owned by the Centennial Park and Moore Park Trust and operates under a lease agreement to Playbill Venues Pty Ltd.

The building has a rectilinear plan form with entrances to the south. It is located to the north of the Royal Hall of Industries, which itself is in the process of undergoing a major refurbishment, where a pedestrian forecourt area, separates it from the RHI.

Other nearby venues include the Sydney Cricket Ground, the Entertainment Quarter, and the Sydney Football Stadium. The site is located 1.5km from Central Station and is approximately 2km south-east of the Sydney CBD.

The area is a major tourist attraction and its location presents significant opportunities for the government to provide sporting, community and entertainment facilities for economic, recreation and entertainment activities.

1.3 APPLICANTS DETAILS

APPLICANT	Pier Property Corporation Pty Ltd (for Playbill Venues Pty Ltd)
ADDRESS	Suite 412, Level 4 15 Lime Street, King Street Wharf, Sydney. NSW. 2000.
TELEPHONE	02 9249 0499
E-MAIL	jds@pierproperty.com.au

1.4 PROPOSAL

The proposal involves the refurbishment of an existing Sydney iconic entertainment venue known as Hordern Pavilion, as well as an upgrade of the existing Plaza area on the southern side of the Hordern Pavilion.

The building works consists of the refurbishment of the existing building, maintaining the existing façade and structure, upgrading the existing entertainment facilities, loading areas, landscaping, food and beverage outlets, upgrading existing basement, outdoor areas, storage, services and associated infrastructure over all areas of the site.

The building works consists of alterations and minor additions to all levels of the existing building, maintaining the existing façade and structure, to provide state of the art facilities, auditorium, internal offices, multi-purpose rooms, amenities and toilet facilities, performer dressing rooms, food and beverage retail areas, kitchen, cold storage offices, merchandising outlets, storage areas, loading dock, and associated infrastructure over two (2) levels of the building.

The main access to the site will be from Driver Avenue on the western side of the site.

Waste management facilities are to be provided in accordance with the provisions of Waste Not Development Control Plan (DCP) Guideline (EPA 2008)

Waste storage facilities will be provided as indicated in Part 4.6 on pages 14 to 16 of this WMP and as indicated on the Site Plan.

All waste and recycling services will be provided by a licensed private waste and recycling collection contractor.

The project consists of:

- Minor excavation works to upgrade basement access;
- The removal of internal walls, linings, fittings and fixtures, plumbing and drainage materials, timber, floor coverings, concrete and masonry, and other relevant materials excess to construction requirements;
- The refurbishment of the building to suit;
- The construction of internal walls of both timber and masonry, to facilitate the upgrading of amenities, main auditorium, offices, dressing rooms, VIP areas, kitchen area, retail area, outdoor terrace and forecourt, box office, plant and storerooms;
- Plaza upgrade;
- Driveways, parking areas; and,
- Associated earthworks, civil and landscape works.

PART 2 – DEMOLITION

2.1 DEMOLITION

2.1.1 General Requirements

There is no demolition component to this WMP. All issues relating to any excavation work and the existing materials to be removed as part of construction of works associated with refurbishment works will be dealt with under Part 3 of this document.

PART 3 – CONSTRUCTION

3.1 CONSTRUCTION – GENERALLY

The construction stage of the development comprised of the following activities, and involved:

- The removal of all building materials surplus to refurbishment requirements;
- Excavation works associated with the addition to the basement area;
- Footings and reinforcement as required;
- Brickwork and masonry construction;
- The fit-out of the internal walls and partitioning to form the layout of the offices, dressing rooms, food and beverage areas;
- The construction and installation of kitchen, cooking facilities, and food preparation areas;
- The provision refrigeration and cooling equipment;
- The provision of ventilation, exhaust systems and associated facilities;
- The installation and provision of appropriate washing facilities, sinks basins, and associated plumbing and drainage fittings and fixtures;
- Storage facilities;
- All building works associated with the plaza upgrade;
- Internal joinery and finishing items;
- The installation of electrical and IT equipment; and,
- The provision of waste management facilities.

All activities associated with removal and disposal of materials excess to the construction process will be processed and or disposed of at an approved facility or facilities. It is considered that the majority of materials involved in the construction process have the ability to be reused or recycled.

All materials used in the refurbishment of the building that are not required to be incorporated into it, shall be recycled, reused or disposed of in accordance with the requirements of the Protection of the Environment Operations Act (1997). It will be the appointed contractor's overall responsibility to ensure compliance in this regard.

Additionally, during the refurbishment process, every effort will be made to reduce and minimise the amount of building materials excess to construction.

Mobile Bins of an appropriate size will be located on site for the collection of food scraps, beverage containers, and other waste generated on site by workers.

3.2 CONSTRUCTION – RECYCLING, REUSE & DISPOSAL DETAILS

The following Table (Table 1- Processing and Disposal details – Materials Excess to Construction) details prescribe the manner in which all materials surplus to the construction of the building will be dealt with, and includes: -

- a) An estimate of the types, volumes and weight of materials and recyclables to be generated;
- b) The estimated total percentage of waste surplus to construction to be reused or recycled; and,
- c) Destination and reuse details.

TABLE 1 – PROCESSING AND DISPOSAL DETAILS – MATERIALS EXCESS TO CONSTRUCTION

Waste Type	Volume (Sqm)	Weight (Tonne)	Estimated % to be Recycled	Destination & Reuse
Excavation material	20.0	34.00	To be Determined	All materials to be processed off site at a licensed facility that is approved to accept the material specified. (See list of appropriately licensed facilities in Part 3.3 of this WMP.)
Timber	5.0	2.50	90%-100%	
Concrete	5.0	12.00	90%-100%	
Bricks	5.0	5.00	90%-100%	
Tiles	5.0	2.00	80%-90%	
Metal	5.0	2.00	85%-95%	
Glass	2.0	0.50	50%-60%	
Furniture	Nil	N/A	N/A	
Fixtures and fittings	5.0	2.50	85%-95%	
Floor coverings	Minimal	N/A	N/A	
Packaging, Pallets	5.0	1.00	90%-100%	
Garden organics	Nil	N/A	N/A	
Containers	2.0	0.25	90%-100%	
Paper/cardboard	2.5	0.50	85%-95%	
Residual waste	2.0	2.00	60%-70%	
Hazardous Waste	To be Determined			
Other (specify)	N/A	N/A	N/A	

It is noted that the quantities of materials detailed above are estimates only, based on current industry standards and quantity analysis, and may vary due to the prevailing nature of construction constraints, and any other unforeseeable activities associated with the construction works.

Notwithstanding any of the above, the developer will provide Council with all details in relation to any major variations in this regard.

The facilities and agencies that receive the materials listed above are to be a facility or agency that is licensed to accept the materials specified.

The developer understands that any costs associated with the transportation and receipt of these materials will be their responsibility.

The developer will keep a written record of all documentation associated with the transportation, disposal and processing of all materials associated with the demolition of all structures on site.

Additionally, during the construction of the building, every effort will be made to reduce and minimise the amount of building materials excess to its construction.

Based on the above information, it is anticipated that between 85% and 95% of all materials excess to construction needs will be able to be recycled or re-used, well above current targets.

3.3 LICENSED WASTE MANAGEMENT AND RECYCLING FACILITIES.

The facilities nominated below are appropriately licensed to receive the materials nominated in Part 3.2 on page 8.

1. Blacktown Waste Services, 920 Richmond Road, Marsden Park.
Tel 9835 4544
2. Bingo Industries, 3-5 Duck Street, Auburn, or 38 McPherson Street, Banksmeadow.
Tel 1300 424 646
3. Brandown, Lot 9 Elizabeth Drive, Kemps Creek.
Tel 02 9826 1256
4. Jacks Gully Waste Management Centre, Richardson Road, Narellan.
Tel 1300 651 116
5. Lucas Heights Waste Management Centre, New Illawarra Road, Lucas Heights.
Tel 1300 651 116
6. Suez Eastern Creel Resource Recovery Park, Wallgrove Road, Eastern Creek.
Tel 8887 6112

The facilities and agencies that receive the materials listed above are, licensed and generally able, to accept the materials specified.

The appointed contractor understands that any costs associated with the transportation and receipt of these materials will be their responsibility.

Based on the above information, it is anticipated that between 75% and 85% of all materials excess to construction needs will be able to be recycled or re-used, well above the Council's required targets.

The appointed contractor is under no obligation to use any nominated facility or agency, but should any alternative arrangements be made, it will be the developers' responsibility to ensure that all demolished materials removed from the site are disposed of, or processed, appropriately.

The developer will keep a written record of all documentation associated with the transportation, disposal and processing of all materials excess to the construction of the building.

Additionally, during the construction of the building, every effort will be made to reduce and minimise the amount of building materials excess to construction.

3.4 CONSTRUCTION – ON SITE STORAGE OF MATERIALS

During the construction of the buildings, an area will be set aside on the site as a compound for the on-site storage of materials prior to their removal from the site. This compound will provide for: -

- Material sorting;
- Segregation of materials that may be hazardous and which will be required to be disposed of;
- Recovery equipment, such as concrete crushers, chippers, and skip bins;
- Material storage; and,
- Access for transport equipment.

Appropriate vehicular access will be provided on and off site, and to the compound, to enable the efficient removal of reusable, recyclables, and waste materials.

Prior to the commencement of construction works, the developer will provide Council with a 'Site Plan for the On-Site Storage of Materials at Construction'. This plan will show in detail the location of each area within the compound, set aside for the segregated storage of all materials involved in the demolition of all buildings on the site.

3.5 CONSTRUCTION – EXCAVATED MATERIAL

All excavated material removed from the site, as a result of any activities associated with the construction of the building, must be classified in accordance with the Department of Environment, Climate Change and Water NSW Waste Classification Guidelines prior to removal, transportation and disposal to an approved waste management facility.

All relevant details must be reported to the PCA.

PART 4 – ON GOING USE OF SITE

4.1 OBJECTIVES

1. To ensure that the storage, amenity and management of waste is sufficient to meet the needs of the development.
2. To ensure that all waste management activities are carried out effectively and efficiently, and in a manner, that will promote the principles of health, safety and, convenience.
3. To promote waste minimisation practices.

4.2 ASSUMPTIONS

In preparing this Plan, the following assumptions have been made: -

1. A Waste Storage Area (WSA) will be provided for the storage of all waste and recycling bins required to be provided for all activities associated with the use of the site.
2. The WSA is an enclosed rectangular structure located adjacent to the front north-eastern boundary of the site, off Errol Flynn Boulevard, as indicated on the Site Plan.
3. All waste and recycling bins required for servicing at events will be stored within the confines of the WSA at all times.
4. All waste and recycling material derived from the use of the venue is dependent upon the type and number of events held at the facility.
5. The proprietor of the facility has development a large quantity of historical data (over 20 years) on the anticipated number and types of events that are held each year, the expected number of attendees, the quantities of food and beverages, containers, packaging required, and the amount of waste to be generated as a result of these events.
6. An appropriate number of containers (mobile bins) will be provided for each event, based on the anticipated number of persons attending. These containers are to be provided at strategic locations over the site.
7. The waste and recycling generation rates for this project have been calculated based on the information provided by the proprietor of the facility, which are summarised in Part 4.4.1 on page 13 of this WMP.
8. All waste material will be stored for servicing using a set amount of 1100-litre mobile waste bins as described in Part 4.4.1 on page 13.
9. All paper and recycling material will be stored for servicing using a set amount of 1100-litre mobile waste bins as described in Part 4.4.1 on page 13.
10. All container-based material will be stored for servicing using a set amount of 1100-litre mobile waste bins as described in Part 4.4.1 on page 13.
11. The proprietor of the facility will develop an Event Management Plan (EMP) for each event to be conducted at the facility. This EMP will include provisions for management all waste and recycling activities associated with the conduct of any event, including the servicing of all waste and recycling bins allocated to each event.
12. All waste and recycling services will be provided by the contractor on the day following the completion of the event for which the service was organised.
13. A licensed private waste and recycling collection contractor will provide all waste and recycling services to the building.

14. If the waste and recycling material generated from the use exceeds the waste generation rates specified in this WMP, the frequency of collections may need to be increased.
15. Any increase in the frequency of collections will be determined by the Occupant in consultation with the appointed contractor and an approved waste management consultant.
16. All waste and recycling collections will take place from a Loading Bay adjacent to the WSA, where bins will be presented for collection by the appointed contractor.
17. A Manager or Caretaker shall be appointed to monitor and supervise all waste management activities in order to ensure they are carried out in accordance with this WMP.

4.3 WASTE HANDLING & MANAGEMENT

At events an appropriate waste and recycling receptacles will be provided in appropriate locations throughout the complex.

All waste and recycling materials shall be removed from these receptacles by the Caretaker, their representatives, or relevant staff and transferred to the waste and recycling bins provided in the Waste Storage Area for storage prior to collection. This activity is to take place at regular intervals during the course of the event.

Appropriate signage will be erected in prominent places within the complex to assist patrons, staff and employees to ensure that all waste and recyclable material is placed into the appropriate bins.

4.4 WASTE GENERATION RATES

Events have been carried out at the Hordern Pavilion for in excess of 40 years. Over that time extensive data has been gathered to determine the basis for the provision of waste management services and requirements for particular scenarios.

At the present time, indicative figures on these events (per annum) are provided as follow:-

- Concerts – 40;
- Exhibitions – 8;
- Functions – 6;
- Dance Parties – 6.

Attendance to these events would range from an average of 200 (functions) to an average of 5,500 (concerts/dance parties).

Over the years, waste generation rates have, in general, been determined by attendance numbers rather than 'per floor area' requirements as specified by current industry standards.

The rates provided from data supplied by the facility operators indicate that more waste and recycling material is generated per event than the figures currently provided by Council and the Better Practice Waste Management Guides – and as such are in excess of these requirements.

Accordingly, these waste and generation rates are applied to calculate all waste and recycling requirements for the proposal.

4.4.1 Waste and Recycling Generation Rates According to Attendance per Event

All waste and recycling generation rates have been calculated from information obtained from attendance numbers at events conducted at the facility over a 40 year period.

The number and size of bins have been calculated using this formula, which is summarised in the following table (Table 2).

**TABLE 2 – WASTE & RECYCLING GENERATION RATES
(LARGE EVENTS – AVERAGE ATTENDANCE)**

SERVICE	ACTIVITY	ATTENDANCE (AVERAGE)	CURRENT BIN NUMBERS & SIZE OF BIN PER EVENT	WASTE/RECYCLING GENERATION RATE
Waste	Large Event	5,500	23 X 1100-Litre Red Lidded Waste Bins	5.0 litres of waste per person
Recycling (Paper)	Large Event	5,500	23 x 1100-litre Blue Lidded Recycling Bins	5.0 litres of waste per person
Recycling (Containers)	Large Event	5,500	23 x 1100-litre Blue Lidded Recycling Bins	5.0 litres of waste per person

Notes

**1. Calculations/Formula – Number of Bins x Size of Bins / Attendance = Waste Generation Rate
(E.g. Attendance x WGR/RGR / Bin Size = No of Bins to be serviced per Event)**

The numbers in Table 1 are based on the maximum numbers of bins serviced for large events, based on a maximum attendance of 5,500 persons.

Bin servicing requirements for events of various types (and numbers of persons attending) are to be provided using the formula in the Table above and are to be carried out in accordance with the Event Management Plan for that particular event.

4.4.2 Applicable Waste Generation Rates

Using the above data, the following Waste and Recycling Generation Rates have been established.

- Waste Generation Rates per Event = 5.0 litres of waste per person;
- Container Based Recycling Generation Rates per Event = 5.0 litres per person; and,
- Paper Based Recycling Generation Rates per Event = 5.0 litres per person;

Although these rates have been developed over a considerable amount of time it could be assumed that the bins are not always full, in fact a recent inspection after a major concert event revealed that on average the bins are filled to 80% to 85% capacity.

It is therefore considered that waste and recycling generation rates for all streams be applied as specified in the following Table (Table 3).

TABLE 3 – WASTE & RECYCLING GENERATION RATES

SERVICE	ACTIVITY	WASTE/RECYCLING GENERATION RATE
Waste	Large Event	5.0 litres of waste per person
Recycling (Paper)	Large Event	5.0 litres of waste per person
Recycling (Containers)	Large Event	5.0 litres of waste per person

4.5 WASTE & RECYCLING SERVICE REQUIREMENTS

4.5.1 General Waste Service Requirements

The following table (Table 4) specifies the criteria for general waste generation rates (as specified in Part 4.4.1 above), for events attended by the maximum number of persons permitted to attend per event.

TABLE 4 – WASTE GENERATION RATES & SERVICE REQUIREMENTS

DESCRIPTION	LARGE EVENT VENUE (EXAMPLE) GENERAL WASTE
Formula	WGR x Attendance x Bin Size = Number of Bins to be Serviced Per Event
Waste Generation Rate	5 Litres Per Person Per Event
Numbers Attending	5,500
Waste Generation / Event	5 x 5500 / 1100 = 25.00 x 1100-litre waste bins per Event
Bins Required / Event	25
No and Size of Bins	25 x 1100-litre Waste Bins Serviced Per Event
Service Requirements	25 x 1100-litre General Waste Bins per Event

All waste services will be provided in accordance with the prescriptive requirements of Table 4, above. All general waste services are to take place generally in accordance with the abovementioned provisions.

Alternate bins sizes may be employed to achieve these rates. However, appropriate records are to be maintained to ensure that all service requirements are achieved.

All waste services provided to the venue are to be undertaken in a manner that will not adversely impact on the principles of health, safety or convenience.

A Service Agreement will be entered into between the Owners Corporation and the appointed Contractor describing the manner in which all general waste services will be provided. A copy of this agreement will be provided to the Council.

4.5.2 Paper and Carboard Recycling Service Requirements

The following table (Table 5) specifies the criteria for recycling generation rates (as specified in Part 4.4.1 on page 13, for events attended by the maximum number of persons permitted to attend per event.

TABLE 5 – PAPER & CARDBOARD RECYCLING GENERATION RATES & SERVICE REQUIREMENTS

DESCRIPTION	LARGE EVENT VENUE (EXAMPLE) PAPER & CARDBOARD RECYCLING
Waste Generation Rate	WGR x Attendance x Bin Size = Number of Bins to be Serviced Per Event
Numbers Attending	5 Litres Per Person Per Event
Waste Generation / Event	5,500
Space Required / Event	5 x 5500 / 1100 = 25.00 x 1100-litre waste bins per Event
No and Size of Bins	25
Space Provided / Event	253 x 1100-litre Waste Bins Serviced Per Event
Service Requirements	25 x 1100-litre General Waste Bins per Event

All paper and cardboard recycling services will be provided in accordance with the prescriptive requirements of Table 5, above. All recycling services are to take place generally in accordance with the abovementioned provisions.

Alternate bins sizes may be employed to achieve these rates. However, appropriate

records are to be maintained to ensure that all service requirements are achieved.

All paper and cardboard recycling services are to be undertaken in a manner that will not adversely impact on the principles of health, safety or convenience.

A Service Agreement will be entered into between the Owners Corporation and the appointed Contractor describing the manner in which all recycling services will be provided. A copy of this agreement will be provided to the Council.

4.5.3 Container Based Recycling Service Requirements

The following table (Table 6) specifies the criteria for recycling generation rates (as specified in Part 4.4.1 on page 13, for events attended by the maximum number of persons permitted to attend per event.

TABLE 6 – CONTAINER BASED RECYCLING GENERATION RATES & SERVICE REQUIREMENTS

DESCRIPTION	LARGE EVENT VENUE (EXAMPLE) CONTAINER BASED RECYCLING
Waste Generation Rate	WGR x Attendance x Bin Size = Number of Bins to be Serviced Per Event
Numbers Attending	5 Litres Per Person Per Event
Waste Generation / Event	5,500
Space Required / Event	$5 \times 5500 / 1100 = 25.00$ x 1100-litre waste bins per Event
No and Size of Bins	25
Space Provided / Event	23 x 1100-litre Waste Bins Serviced Per Event
Service Requirements	25 x 1100-litre General Waste Bins per Event

All container-based recycling services will be provided in accordance with the prescriptive requirements of Table 6, above. All recycling services are to take place generally in accordance with the abovementioned provisions.

Alternate bins sizes may be employed to achieve these rates. However, appropriate records are to be maintained to ensure that all service requirements are achieved.

All container-based recycling services are to be undertaken in a manner that will not adversely impact on the principles of health, safety or convenience.

A Service Agreement will be entered into between the Owners Corporation and the appointed Contractor describing the manner in which all recycling services will be provided. A copy of this agreement will be provided to the Council.

4.5.4 Waste and Recycling Collection Service Provider Details

All waste services and recycling services will be provided by a licensed private waste and recycling collection contractor.

The proprietor will enter into a Service Level Agreement with the contractor in relation to the provision of both waste and recycling services to the development, and the manner in which they will be provided.

4.5.5 Details of Mobile Containers

In relation to the size and design of the waste and recycling mobile bins, the following technical information is provided: -

CONTAINER TYPE	HEIGHT (metres)	DEPTH (metres)	WIDTH (metres)
240-litre mobile containers	1.080	0.735	0.585
1100-litre mobile container	1.470	1.070	1.240

4.5.6 Waste & Recycling Requirements

Waste and recycling requirements are provided in the table below.

TABLE 7 – WASTE & RECYCLING SERVICE REQUIREMENTS

SERVICE	NUMBER OF CONTAINERS	COLLECTION FREQUENCY
Waste Service	25 x 1100-litre mobile containers	All bins to be serviced per Event
Paper – Recycling Service	25 x 1100-litre mobile containers	All bins to be serviced per Event
Container – Recycling Service	25 x 1100-litre mobile containers	All bins to be serviced per Event

The number of bins required to be serviced in Table 7, are for large events based on attendance of a maximum of 5,500 persons and should be the maximum number of bins required to be serviced at any one event.

Bin numbers and servicing requirements are to be provided using the calculations in the following formula:

$$\text{Attendance} \times \text{WGR(RGR)} / \text{Bin Size} = \text{No of Bins to be serviced per Event}$$

Where:

$$\text{Attendance} = \text{No of persons per Event per Day}$$

$$\text{WGR(RGR)} = \text{Waste or Recycling Generation Rate}$$

4.5.7 Location, Design, and Construction of Waste Storage Area

A Waste Storage Area (WSA) is provided to facilitate all waste and recycling storage and collection activities.

The WSA will be located externally of the building. It is an enclosed rectangular structure, measuring 20.0m x 5.0m, with a floor area of 100 square metres and is located adjacent to the north-eastern boundary of the site adjacent to the vehicular entry off Errol Flynn Boulevard.

All mobile waste and recycling bins required to be serviced per event will be stored within the confines of this WSA at all times.

In assessing the size and design of the WSA, it is considered that it is of a sufficient size and dimension to adequately house, store and manoeuvre (for collection and return) the maximum number of bins required to be serviced per event.

Additional storage space for bins not required to be serviced per event, will be stored in appropriate external locations on the site.

4.6 PROVISION OF SERVICES

4.6.1 Servicing Arrangements – Waste Collections

All waste collections will take place from a loading bay adjacent to the WSA, where the bins will be presented for collection by the contractor into a waiting collection vehicle stationed in the Loading Bay directly in front of the WSA.

The waste bins will be serviced on the day following the respective event for which the service was booked.

All 1100-litre mobile waste bins required for servicing will be serviced on each collection day. In this regard, the proprietor will have an agreement with the service provider to ensure that all waste services are carried out on the day following the event.

All waste bins will be returned to the WSA as soon as practicable after they have been serviced.

4.6.2 Servicing Arrangements – Paper and Recycling Collections

All paper and cardboard recycling collections will take place from a loading bay adjacent to the WSA, where the bins will be presented for collection by the contractor into a waiting collection vehicle stationed in the Loading Zone directly in front of the WSA.

The recycling bins will be serviced on the day following the respective event for which it was booked.

All 1100-litre mobile paper and cardboard recycling bins required for servicing will be serviced on each collection day. In this regard, the proprietor will have an agreement with the service provider to ensure that all recycling services are carried out on the day following the event.

All paper and cardboard recycling bins will be returned to the WSA as soon as practicable after they have been serviced.

4.6.3 Servicing Arrangements – Container Based Recycling Collections

All container based recycling collections will take place from the loading bay adjacent to the WSA, where the bins will be presented for collection by the contractor into a waiting collection vehicle stationed in the Loading Zone directly in front of the WSA.

The container-based recycling bins will be serviced on the day following the respective event for which it was booked.

All 1100-litre container-based mobile recycling bins will be serviced on each collection day. In this regard, the proprietor will have an agreement with the service provider to ensure that all recycling services are carried out on the day following the event.

All container-based recycling bins will be returned to the WSA as soon as practicable after they have been serviced.

4.6.4 Waste Collection Area / Loading Bay

All collections will take place from the Loading Bay directly adjacent to the WSA.

A rear loading waste collection vehicle will be used to provide all waste and recycling services to the building. The vehicle will either be a MRV or HRV, with access designed to permit both.

The collection vehicle will enter and exit the site in a forward direction, with no turning or reversing of the vehicle at any stage during servicing activities.

The servicing of bins will take place without obstructing vehicle movements in and out of the site.

All internal access, parking and servicing arrangements are to comply with all relevant Australian Standards.

4.7 EVENT MANAGEMENT

Prior to the conduct of any event a suitable number of red-lidded 240-litre red lidded waste bins and 240-litre yellow lidded recycling bins will be placed around the site at strategic locations for patrons to place their waste and recyclable materials in.

The proprietor will ensure that the bins are inspected on a regular basis to ensure that they do not overflow and spill.

Full waste and recycling bins are to be transported to the Waste Storage Area, where they will be decanted into the larger 1100-litre waste and recycling bins for storage prior to servicing.

Empty 240-litre waste and recycling bins will replace full bins, to ensure that there is sufficient space in these bins for patrons to muse.

Upon completion of the event all waste and recycling bins will be transported from the event area to the WSA and the material decanted into the larger bins.

The proprietor will ensure that any waste material left on the grounds will be collected and the material disposed of into the appropriate bins.

Arrangements for the collection of waste and recycling bins will be made prior to the event, and all bins will be collected as soon as practicable after the completion of the event.

At the conclusion of each event, the Building Manager/Caretaker or their representative will inspect the entire facility to ensure that all waste and recycling material has been collected and the material disposed of appropriately.

4.8 MEDICAL & CLINICAL WASTE

All clinical and medical waste generated from any injuries or accidents sustained to patrons, employees and the like, are to be stored and disposed of separately to the general waste requirements, and in accordance with the following: -

- The relative provisions of the Protection of the Environment Operations Act;
- Waste Management Guidelines for Health Care Facilities August 1998, published by the NSW Department of Health;
- The relative requirements of Safe Work NSW; and,
- The requirements of any applicable regulatory authority.

All clinical and medical waste is to be managed in accordance with the following provisions:

- Stored only in approved receptacles;
- All receptacles used for the storage of medical and clinical waste shall be stored in appropriate locations within the respective medical units and blood bank facility;
- Transported by approved and appropriately licensed waste contractors; and,
- Only removed from the respective storage areas by the approved licensed waste contractor, and returned to the storage areas on completion of servicing;
- Disposed of at appropriately licenced waste management facilities.

Appropriate signage will be provided in a prominent location within the complex that will distinguish between the medical/clinical and general waste streams, and the requirements in relation to what can and cannot be deposited into the respective receptacles.

This information can be obtained from the Waste Management Guidelines for Health Care Facilities 1998, the NSW Department of Health, and where appropriate Work Cover NSW.

4.9 ON GOING OPERATION, USE & MAINTENANCE OF WASTE MANAGEMENT FACILITIES

All waste management facilities will be maintained in a clean and hygienic condition that will promote the principles of health, safety and convenience.

In order to achieve these objectives, the following requirements will apply: -

1. The walls and floor of the Waste Storage Area (WSA) will be constructed of smooth faced masonry or concrete.
2. The WSA is be washed and cleaned on a regular basis.
3. All bins will be washed and cleaned on a regular basis.
4. Any electrical equipment, including the provision of lighting, will be installed in accordance with the relevant Australian Standards.
5. Appropriate signage will be displayed in a prominent position within the complex identifying the location of the WSA, as well as providing instruction to employees on how to use waste and recycling facilities, including what is and what is not recyclable.
6. The Proprietor will be responsible for ensuring that all waste and recyclable matter and materials are placed and stored within the appropriate containers provided.

4.10 REFERENCE DOCUMENTS

This Waste Management Plan has been developed and is to be read in conjunction with the following documentation:

1 Architectural Drawings

- HP_AD.13.0001_EXTERNAL FINISHES [3]
- HP_AD.16.0001_PROPOSED SITE PLAN [6]
- HP_AD.16.0002_PROPOSED BUILDING PLAN [6]
- HP_AD.16.0003_SITE PLAN AREA SCHEDULE [6]
- HP_AD.16.0004_EXISTING SITE PLAN [5]
- HP_AD.17.0001_EXISTING GROUND FLOOR [6]
- HP_AD.17.0101_EXISTING FIRST FLOOR [6]
- HP_AD.17.B101_EXISTING BASEMENT [6]
- HP_AD.18.0001_DEMO GROUND FLOOR [6]
- HP_AD.18.0101_DEMO FIRST FLOOR [6]
- HP_AD.18.B101_DEMO BASEMENT [6]
- HP_AD.20.0000_PROPOSED GA PLAN GROUND FLOOR [6]
- HP_AD.20.0100_PROPOSED GA PLAN FIRST FLOOR [6]
- HP_AD.20.B100_PROPOSED GA PLAN BASEMENT FLOOR [6]
- HP_AD.40.0001_HORDERN PAVILION NS EW SECTIONS [6]
- HP_AD.42.0001_HORDERN PAVILION NORTH & SOUTH ELEVATION [6]
- HP_AD.42.0002_HORDERN PAVILION EAST & WEST ELEVATION [6]
- HP_AD.43.0001_NORTH PLANT ROOM DETAIL [6]
- HP_AD.43.0002_BOX OFFICE DETAIL [6]
- HP_AD.43.0003_SOUTH STRUCTURE DETAIL [4]
- HP_AD.43.0004_NORTH CANOPY DETAIL [5]

2. Landscape Drawings Hordern

- HORDERN DA 000_Cover Sheet
- HORDERN DA 101_Landscape Master Plan
- HORDERN DA 301_Hardworks
- HORDERN DA 401_Softworks
- HORDERN DA 501_Details
- HORDERN DA 502_Specification

3. Landscape Drawings Plaza

- PLAZA_DA 000_Cover Sheet
- PLAZA_DA 101_Landscape Master Plan
- PLAZA_DA 301_Hardworks
- PLAZA_DA 401_Softworks
- PLAZA_DA 501_Details
- PLAZA_DA 502_Specification

PART 5 – SUMMARY

5.1 SUMMARY

In summarising this proposal, the following information is provided:

1. This Waste Management Plan has been prepared in accordance with: -
 - a) The relevant provisions of the City of Sydney DCP 2012, and the City of Sydney Waste Management Guidelines for New Developments;
 - b) All conditions of the development consent to be issued under the approved Complying Development Consent;
 - c) The relevant requirements of the 'Better Practice Guide for Waste Management for Commercial and Industrial Developments'; and,
 - d) The objective of ensuring that all waste management facilities and collection services will provide an outcome that will be effective and efficient, as well as promote the principles of health, safety and convenience.
2. All waste and recycling generation rates for this project have been calculated based on the information provided in the City of Sydney's Waste Management Guidelines for New Developments, which summarised in Part 4.5 on page 12 of this WMP.
3. All waste and recycling services will be provided by a licensed private waste and recycling collection contractor.
4. The Occupant will be responsible for ensuring that all on-going waste management activities are carried out in accordance with the provisions of this Waste Management Plan.

The measures set out in this WMP aim to demonstrate that all such activities will be carried out effectively and efficiently, in a healthy, safe and convenient manner, to acceptable community standards, and to the requirements of the City of Sydney Council.
