



Shire of
Donnybrook Balingup

NOISE MANAGEMENT PLAN



Shire of Donnybrook Balingup

Townsite Precinct

Donnybrook Western Australia

Executive Summary

This Noise Management Plan (NMP) has been approved for the purposes of regulation 14A of the *Environmental Protection (Noise) Regulations 1997* (the regulations). Regulation 7 of the regulations does not apply to noise emitted from the specified works within regulation 14A if the works are conducted in accordance with this NMP.


Responsibilities

The Director of Operations is responsible for the implementation of this plan.

Review

The plan will be reviewed on a 3-year basis, or as directed by the Chief Executive Officer.

Approval

Approved by: 
 Garry Hunt
 Chief Executive Officer
 Shire of Donnybrook Balingup
 PO BOX 94
 DONNYBROOK WA 6239

Date: 17 January 2024
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Responsible Department: Operations		Reviewer: Environmental Health Officer	
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1 Overview and Legislation

The Shire of Donnybrook Balingup has prepared this Noise Management Plan (NMP) to satisfy regulation 14A of the *Environmental Protection (Noise) Regulations 1997* (the Regulations).

This regulation requires that noise emitted from premises, including public areas, does not cause or significantly contribute to, a level of noise which exceeds the assigned levels of each premise type. In relation to the Shire's essential waste and street cleaning activities, the Shire acknowledges that these essential services will exceed assigned levels, particularly affecting residential premises (noise-sensitive premises).

The regulations prescribe that a noise management plan expires after a maximum of 3 years from the day on which it is approved by the CEO following public consultation.

Assigned Noise Levels in the Regulations

Regulation 8 of the Regulations describes assigned levels of noise for all premises, as set out in the table below. Appendix 1 contains further information and definitions.

Table 1. Essential Services Schedule

Type of Premise Receiving Noise	Time of Day	Assigned Level (DB)		
		L _{A10}	L _{A1}	L _{A MAX}
Noise Sensitive Premises: Highly Sensitive Areas (values + Influencing Factor)	0700 to 1900 hours Monday to Saturday	45	55	65
	0900 to 1900 hours Sunday and Public Holidays	40	50	65
	1900 to 2200 hours all days	40	50	55
	2200 to 0700 hours Monday to Saturday	35	45	55
	2200 to 0900 hours Sunday and Public Holidays	35	45	55
Noise Sensitive Areas: any area other than highly sensitive area	All hours	60	75	80
Commercial Premises	All hours	60	75	80
Industrial and Utility Premises (other than those in the Kwinana Industrial Area)	All hours	65	80	90

1.1 Purpose and Effect of Plan

The Townsite of Donnybrook is a vibrant and fast-growing area that has enjoyed an increase in public activity such as tourist and community attractions and events in recent history. The Donnybrook Townsite Precinct is an area that contains a variety of buildings and infrastructure, including industry, cafés and shops, small businesses, public open space, and residential housing. The purpose of the plan is to minimise the impact of noise associated with the cleaning and maintenance of this highly trafficked area (Figure 1), while allowing an essential service to be provided safely, efficiently and with minimal inconvenience to the community.

2 Description of Works

2.1 Location

This Noise Management Plan has been prepared for the purposes of essential works as described in Schedule 14A of the regulations to be carried out in the townsite of Donnybrook. The area for which this NMP has been developed is bordered by and includes Southwestern Highway, Clifford Lane, Victory Lane, Dawson Place, Bridge St, Collins Street and Reserve Street (Appendix 2). The area contains residential housing, commercial zones (that also contains residential housing), a large playground for people of all ages, shops, cafés and other small businesses including parking areas, footpaths, laneways and public open space.

2.2 Justification of activities

The safety and appearance of public areas is of paramount importance to the Shire of Donnybrook Balingup, which requires these areas to be free from hazards like leaf litter and rubbish prior to peak periods of use. In the area outlined in the MP, these types of hazards can gather frequently, and requires regular maintenance to avoid slip and trip hazards in these high traffic areas.

Areas of the Donnybrook Townsite Precinct experiences increased pedestrian and vehicle traffic from 7am, making waste collection, as well as road and pavement cleaning during the day impracticable and more hazardous to the public, contractors, and Shire staff. Undertaking these tasks prior to peak use periods mitigates risks such as traffic congestion and unsafe interaction with works being undertaken. Also, parked vehicles including private contractors and delivery vans and trucks are often found to block access to bins, in addition to sections of roads and pavement.

As such, conducting the works 'out of hours' allows for:

- Significantly reduced pedestrian and vehicle interactions, therefore promoting safety to the public, contractors, and the Shire's workforce,
- Improved access to waste collections points resulting in:
 - shorter waste collection cycles and therefore noise exposure
 - improved manual handling for Shire personnel, therefore minimising risk of injury

- Improved access on main roads i.e., no obstructing traffic, avoidance of road/construction works

Waste collection and street cleaning services are structured to times that best suit the activity in individual areas, whilst minimising the impact on stakeholders, however a level of disruption is unavoidable.

2.3 Minimisation of noise emissions

Maintenance of public use areas creates unavoidable noise pollution which can have an impact on surrounding areas. The following actions have been undertaken to minimise the impact of noise on the local community:

- Purchasing the quietest equipment available in line with the Shire's purchasing Policy **FIN/CP-4 Purchasing**, which is discussed in more detail in section 3.2 of this plan.
- Ensuring noise impacts are considered in work planning.
- Work is performed as efficiently as possible to reduce the length of time of the public exposure to noise.
- Staff training is provided to ensure works are carried out with consideration to noise impacts, given the necessary activities and the surrounding area.
- Public access is restricted to some areas during cleaning.

2.4 Specific activities

The tasks carried out include:

- Using a handheld blower to clear the debris from public areas, such as
 - Paths
 - Walkways
 - Car parks
 - Alley ways
 - Kerbs and drains
- Street sweeping via street sweeping vehicle
- Waste removal via truck
- Tree pruning and
- High pressure cleaning of streetscapes

2.5 Duration of use and period of activities

The period of works for the area in this plan is expected to vary in line with seasonal fluctuations. Increased debris in Autumn due to deciduous trees dropping leaves increase the maintenance requirements, for example. Community events and public holidays may also increase service requirements such as rubbish removal and cleaning. The table below indicates the hours at which works may be carried out. This is indicative only and will fluctuate depending on the season and available resources.

However, any works conducted will not commence prior to 6am on any day and will not be carried out for longer than 2 hours at a time. To reduce the impact to home occupiers adjacent to the area of the plan, areas in the Commercial Zone that contain residences (see Appendix 2: Map A) will be attended to as late as practicable, as conditions allow. In further consideration of noise impacts, works involving tree pruning machinery or handheld blowers is not permitted without prior direct notification to the home occupier, and written executive approval by issue of a permit (Appendix 4). This is further discussed in *5.2.1 Consideration of Residential homes within the Plan*.

Table 2. Essential Services Potential Schedules

Activities undertaken	Start time	Days of Operation	Reason for Service
Street Sweeping, handheld blowers on public areas	6.00am	Monday to Saturday	Routine maintenance requirements, debris removal
Rubbish Removal (120Lt Wheeled bins)	6.00am	Monday to Sunday	Routine waste removal activities
Tree pruning	6.00am	Monday to Friday	As required (contractors engaged for this task)
Pressure Washing	6.00am	Monday to Saturday	Routine maintenance requirements, debris removal

3 Equipment

3.1 Equipment in use

The equipment used by Shire staff to carry out essential cleaning services are outlined in Table 3 below. Propulsion and braking systems of motor vehicles (including trucks) operating on a road are exempt from this plan, in line with regulation 3(1)(a) of the Regulations. Maintenance schedules for these equipment types are discussed in *section 3.3 Maintenance Schedule*.

Table 3. Equipment in use

Equipment Type and Model	Max Sound Power Level	Activities conducted
Stihl BG86 C-E Handheld blower	104dB	Manual Blowdown of public areas including footpaths, roads, carparks, alley ways, kerbs, and drains
Stihl BR 700 Backpack blower	109dB	Manual Blowdown of public areas including footpaths, roads, carparks, walkways, alley ways, kerbs, and drains
Stihl RE 129 Plus Pressure washer	83dB	Cleaning of public areas including footpaths, roads, carparks, walkways, alley ways, kerbs, and drains
Karcher KM 130/300 R D Streetsweeper	98dB	Cleaning of public areas including footpaths, roads, carparks, walkways, alley ways, kerbs, and drains
Mitsubishi Fuso FE 815 Truck with hydraulic hoist	60dB*	Waste removal using hydraulic hoist

*Hoists of this nature are not measured for auditory impact in their technical documents; vehicle noise level provided based on advice from supplier.

3.2 Purchasing Practices

The Shire of Donnybrook Balingup's Council Policy **FIN/CP-4 Purchasing** (accessible on the Shire of Donnybrook Balingup website), provides for purchasing equipment and plant for Outdoor maintenance duties. Considerations are made regarding:

- Suitability to the task
- Ease of use, including Occupational Safety and Health implications
- Efficiency
- Sustainable Procurement, addressing social and environmental impacts (including noise)
- Value for money

3.3 Maintenance Schedule

All vehicles and equipment are maintained as per the recommended actions provided by the suppliers and as outlined in the appropriate manual for each machine. Operator training includes providing staff with information on how to ensure the equipment in use is in good condition and fit for the task, before, during and after use. Vehicles and Equipment used for specified works under this plan are to be maintained by:

- Servicing vehicles and equipment according to the manufacturer's specified intervals and in accordance with the manufacturer's instructions.
- Inspecting the following before use:
 - panel work – for loose or rattling panels or fixtures

- hydraulic components
 - Motors
 - Safety switches
 - Hoses and attachments
 - Wheels
- Reporting any faults noted during inspection to the Supervisor Parks and Gardens (or other suitable delegate) as soon as possible and no later than the next working day.
 - Carrying out repairs as soon as possible (subject to parts and workshop availability)
 - Keeping records of faults, servicing, and repairs for a period of three years.

4 Operator Training

4.1 Cleaning of Roads, Footpaths and Public Places

Operator training is required for all operators of street cleaning vehicles and equipment before commencing specified works under this plan. In relation to noise minimisation, the Shire's Operator training includes focus on noise mitigation, such as;

- Planning street cleaning routes to minimise noise impacts
- Engaging with residents and responding to complaints
- Inspecting equipment for excessive noise
- Using the equipment in the quietest way possible; this may mean using a maximum level of power (and therefore increase noise) for a shorter period, to reduce the overall noise impact.

4.2 Waste Collection

Operator training is required for all operators before commencing specified works under this plan. In relation to noise minimisation, the Shire's Operator training includes focus on noise mitigation, such as:

- Planning waste collection routes to minimise noise impacts
- Quiet Bin lifting techniques
- Reducing accelerating and braking noise
- Engaging with residents and responding to complaints
- Inspecting equipment for excessive noise

5 Complaint Response

5.1 Procedure and recording of complaints

All noise complaints regarding 'out-of-hours' waste collection and street cleaning within the areas carried out under this plan, will be recorded, and investigated by the Manager Works and Services or delegate, in accordance with the Shire's Customer Service Charter.

Noise complaints can be lodged with the Shire in the following ways:

- In writing
ATT: Manager Works and Services
Shire of Donnybrook Balingup
PO BOX 94
Donnybrook WA 6239
- via email to Shire@Donnybrook.wa.gov.au
- via our Customer Comment online form <https://www.donnybrook-balingup.wa.gov.au/forms/customer-comment-form/7>

The complainant will receive written notification of the outcome of an investigation. Wherever practicable, work schedules and routes of travel will be modified/adjusted to minimise any adverse impacts to the amenity for stakeholders.

5.2 Community notification

Community information regarding the works carried out under this plan will be accessible on the Shire's website, with its link communicated to all permanent occupiers potentially affected by noise from the works (Appendix 2) via an appropriate Shire notification.

The information provided will include:

- A brief description of the works
- Accessing the NMP
- A schedule of the works
- How to lodge a complaint about the works, and
- The duration of the current NMP approval, the date of the next review and how to make a submission.

5.2.1 Consideration of Residential homes within the Plan

5.2.1.1 Direct Notification

Home occupants adjacent to the areas of "Conditional Works" in the plan (Appendix 2), and/or within the Commercial Zone of the plan on the Collins Street side of the railway line, will be provided with direct notification prior to any proposed Shire Class 2 works within the precinct on the western side of the railway line, that are expected to:

- i) be carried out using blowers or tree pruning machinery; and
- ii) Are intended to be carried out in this area of the precinct prior to 7am Monday-Saturday, or prior to 9am on Sunday or a Public Holiday.

The notification outlined above must be provided a minimum 2 weeks in advance of the works and must contain:

- i) The day/s and time at which the excessive noise can be expected to begin and end
- ii) The type of works being undertaken
- iii) Justification for the necessary works.

Any feedback or response to the notification will then be taken into consideration during the planning of the works and the works being undertaken.

5.2.1.2 Permit for out of hours works near residential homes

Any Class 2 works undertaken in the areas in proximity to residential homes outlined above will be subject to a permit, indicating Executive Authorisation for the works being carried out. The Permit (Appendix 6.4) will indicate:

- i) The day/s and time at which the excessive noise can be expected to begin and end
- ii) The type of works being undertaken
- iii) Justification for the necessary works
- iv) Considerations/adaptations made to reduce impact to home occupants.

The locations discussed in this section have been indicated on *Noise Management Plan Map A* (Appendix 6.2).

6 Appendices

6.1 Appendix 1. Definitions: Regulation 14A of the Regulations

influencing factor,

in relation to noise received at noise sensitive premises, means the influencing factor determined under Schedule 3 of the Regulations.

LA 1 assigned level

means an assigned level which, measured as an LA_{slow} value, is not to be exceeded for more than 1% of the representative assessment period;

LA 10 assigned level

means an assigned level which, measured as an LA_{slow} value, is not to be exceeded for more than 10% of the representative assessment period;

LA max assigned level

means an assigned level which, measured as an LA_{slow} value, is not to be exceeded at any time.

class 1 works

means specified works carried out between —

- (a) 0700 hours and 1900 hours on any day that is not a Sunday or a public holiday; or
- (b) 0900 hours and 1900 hours on a Sunday or public holiday;

class 2 works

means specified works carried out otherwise than between the hours specified in the definition of ***class 1 works*** paragraphs (a) and (b);

specified works

means —

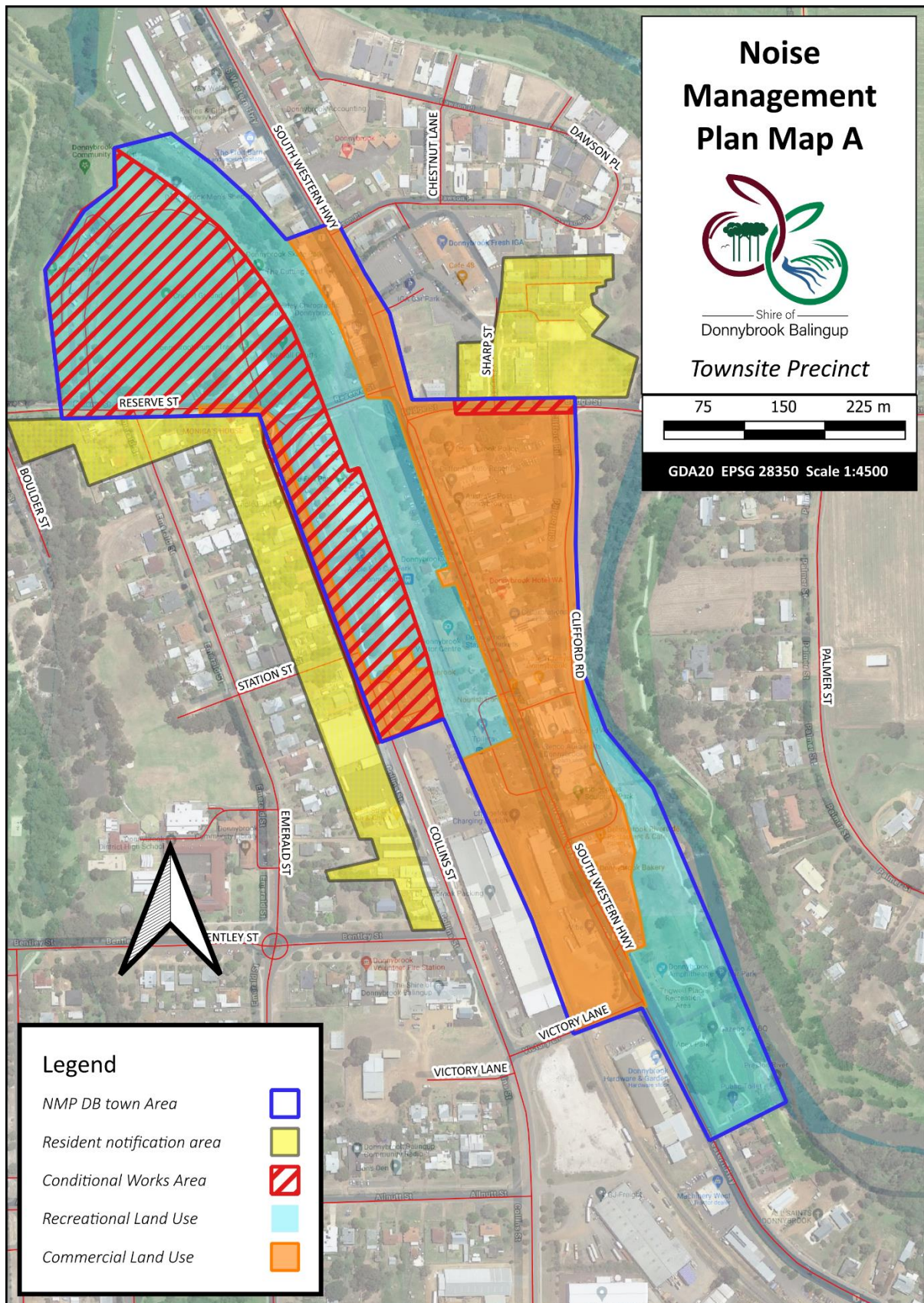
- (a) the collection of waste; or
- (b) the cleaning of a road or the drains for a road; or
- (c) the cleaning of public places, including footpaths, cycle paths, car parks and beaches; or
- (d) the maintenance of road verges and public open space (including the collection of rubbish and the planting, trimming, watering or removal of trees); or
- (e) the periodic collection of household items or other things placed on street verges by residents for the purpose of such a collection; or
- (f) activities associated with hazard or emergency management;

waste

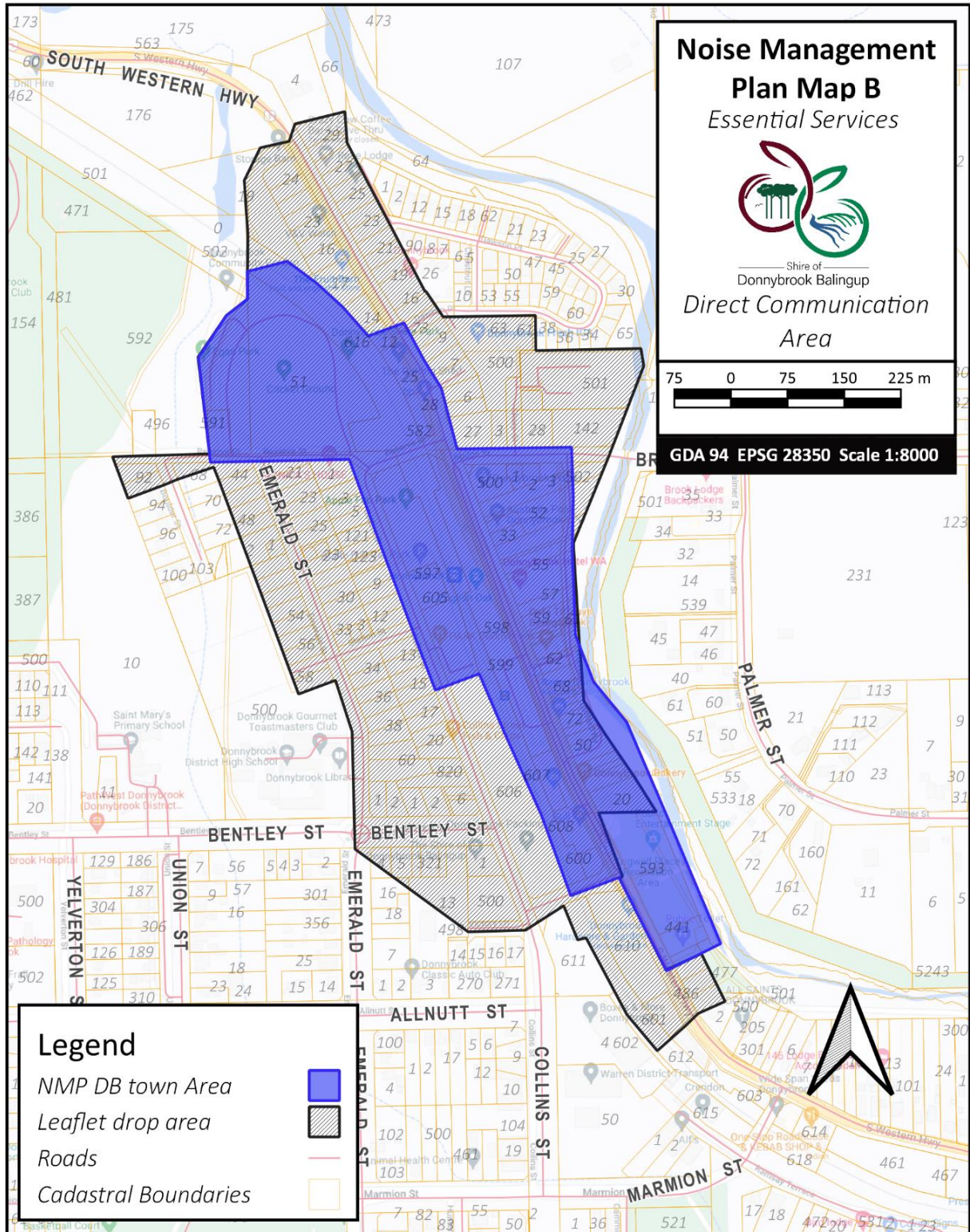
means waste from domestic or commercial sources and includes —

- (a) putrescible waste; and
- (b) non-putrescible waste; and
- (c) recyclable materials.

6.2 Appendix 2. Map of Townsite Precinct



6.3 Appendix 3. Area subject to direct notification of Public Comment Period



6.4 Appendix 4. Permit to carry out Class 2 works in the Conditional Works Area of The Plan

Essential Works Permit

Noise Management Plan



This permit provides the permit holder with Shire approval to undertake Essential Services within the Conditional Works Area as outlined in the Shire of Donnybrook Balingup's Noise Management Plan.

PERMIT NUMBER:	PERMIT VALID FROM
	TO
OFFICER/S AUTHORISED	
AREA OF WORK ACTIVITY (Road/Reserve Name)	
DESCRIPTION OF WORKS (including the equipment to be used)	
JUSTIFICATION FOR WHY THE WORKS CANNOT BE REASONABLY UNDERTAKEN WITHIN NORMAL HOURS (7am-7pm Monday- Saturday/ 9am-7pm Sundays and Public Holidays)	
CONSIDERATIONS MADE TO REDUCE IMPACT TO RESIDENTIAL HOUSEHOLDS	
APPROVED BY	OFFICER POSITION (Executive)
SIGNATURE	DATE