

### 3.1.4 Checklist for dual occupancy, secondary dwellings, housing on small and narrow lots, foreshore and waterway development

Use the following waste management checklist for dual occupancy, secondary dwellings, housing on small and narrow lots, foreshore and waterway development.

The general objectives and controls for the relevant land zone apply to these developments. In addition, specific land use controls under Part 9 of the DCP apply. Section 3 of the WMG sets out guidance that should be met.

For more information about the controls that apply to these types of developments, refer to WMG sections 3.2, 3.2.2, 3.2.3 or the DCP. For guidance, refer to the WMG section listed below:

- Dual occupancy (3.2.6)
- Secondary dwellings (3.2.10)
- Housing on small and narrow lots (3.2.11)
- Foreshore and waterway development (3.2.7)

If a discrepancy appears in the checklist between the controls provided in the checklist and the DCP, then the DCP prevails.

#### Checklist – Operational Waste Management for Multiple Dwelling Developments: Dual Occupancy Development, Secondary Dwellings, Small and Narrow Lots, Foreshore

##### Summary of Multiple Dwelling Developments Application

###### Site Address and Lot/Plan(s):

44 Cadaga Road, Gateshead  
Lot 499 DP 224374

Development application is for (fill in figures for all applicable works): \_\_\_ small lot house \_\_\_ 1 bedroom dwelling  
\_\_\_ 2 bedroom dwelling \_\_\_ 3 bedroom dwelling \_\_\_ 4+ bedroom dwelling \_\_\_ garage/shed(s)  
\_\_\_ carport/veranda(s) \_\_\_ m<sup>3</sup> trees \_\_\_ mixed use (businesses proposed are: \_\_\_\_\_)  
Other: Dual Occupancy - 2x 4 bedroom units

##### Applicant Information

###### Applicant's Name:

Sumir Diwan

###### Applicant's Address:

NSW Land and Housing Corporation  
Level 3, 10 Valentine Avenue, Parramatta NSW 2150

###### Applicant's Phone / Mobile:

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###### Applicant's Email:

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###### Applicant's Authorisation:

System for diverting operational waste to reuse, recycling or composting is maximised.

Plans/drawings that show operational waste storage areas, waste collection points and waste collection vehicle access are included in this application.

The checklist is completed accurately and in full.

The details provided on this form represent the applicant's genuine intentions for managing wastes related specifically to this project.

###### Signature of Applicant or Authorised Agent:

Marija Popovic

###### Date:

03/03/2023

Waste Types	YES	NOT YET	NO	N/A
All types of wastes that will be generated are listed.				
The waste management plan provides for maximum resource recovery.				
Bulky waste (e.g. furniture, whitegoods, bulky cardboard) can be effectively managed.				

Avoidance, Reuse and Recycling	YES	NOT YET	NO	N/A
Opportunities for separation of reusable, recyclable, compostable and problem wastes from residual garbage bins are maximised.				
There is flexibility to expand or reconfigure waste separation systems, so that owners and occupants have can access a range of waste services.				
For Foreshore and Waterway Developments only	YES	NOT YET	NO	N/A
Green waste, recycling and garbage will be collected separately for maximum resource recovery.				
Hazardous and liquid wastes will be properly managed to avoid polluting the waterway or foreshore.				
No boat shed has washing and/ or cooking facilities, habitable rooms, or entertaining areas/ facilities.				
No boat shed will store hazardous or liquid wastes.				

Waste Storage Areas	YES	NOT YET	NO	N/A
The attached site plans show waste storage area(s) with all bins drawn to scale.				
The waste storage area(s) are screened from the main living spaces of dwellings, the public road and views from neighbours.				
The waste storage area(s) are located away from doors, windows and air intakes of all dwellings and businesses				
The waste storage area(s) are capable of storing sufficient amounts of garbage, recycling and food/garden organics waste bins to cater for the dwellings.				
For all adaptable housing, the waste storage area(s) are readily accessible to all occupants including those in wheelchairs in accordance with the Lake Macquarie City Council Non-Discriminatory Access Guidelines.				
The waste storage area(s) are secure from non-occupants and designed for safety in accordance with the Lake Macquarie City Council <i>Crime Prevention Through Environmental Design Guideline</i> .				
Where there is a door or gate for bin removal from the waste storage area(s), the door or gate is at least 900mm wide where bins up to 360 litres in size are used and at least 1600mm wide where bins up to 1100 litres in size are used.				
Where a door or gate opens inwards, no bins are stored within the arc of the swinging door. Where a door or gate opens outwards, the gate does not block the pathway for moving bins out to the collection point.				
Commercial and residential waste is stored in separated and secured areas.				

<b>Waste Storage Areas (continued)</b>	<b>YES</b>	<b>NOT YET</b>	<b>NO</b>	<b>N/A</b>
Bin enclosures are in character with the land use zone characteristics and blend with buildings and landscaping on the property in terms of appearance, materials, bulk and scale, location and orientation.				
Bin enclosures contain measures to prevent entry by vermin.				
Shared bin enclosures have lighting, water supply and bin washing facilities that drain to the sewer;				
There is sufficient storage space and a disposal plan for bulk waste, like furniture.				
There is waste storage cupboard space in or near each kitchen area that is sufficiently sized to hold two days' volume of waste in five separated containers sized between two and twenty litres for recyclables, food waste, soft plastic, problem wastes (e.g. batteries) and residual garbage.				
<b>Secondary Dwelling only</b>	<b>YES</b>	<b>NOT YET</b>	<b>NO</b>	<b>N/A</b>
The design provides non-discriminatory access to waste management services for both dwellings.				
Where principal private open space is not mandatory for the secondary dwelling (ones attached to or within the principal dwelling) and bins of the principal dwelling will be shared, they will be stored in a shared area that is accessible to both dwellings (measuring at least 1955mm x 1610mm or 2390mm x 1465mm).				
Where each dwelling will have its own set of 240 litre bins, adequate space for bin storage is provided and complies with the minimum waste storage area internal dimensions found in WMG section 3.2.10.				
<b>Dual Occupancy Development only</b>	<b>YES</b>	<b>NOT YET</b>	<b>NO</b>	<b>N/A</b>
Adequate space for bin storage is provided for the development and has been sized to comply with (or exceed) the minimum waste storage area internal dimensions (for bin configuration) in WMG section 3.2.6.				
Suitable shared space is available for dual properties to share a set of 240 litre bin (with preference given to developments providing enough bin storage space for each property to store their own set of 240 litre garbage and green/food waste bins and 360 litre recycling bin.				
<b>Housing on Small and Narrow Lots only</b>	<b>YES</b>	<b>NOT YET</b>	<b>NO</b>	<b>N/A</b>
Waste bin storage is separately accounted from the space allocated for principle private open space and landscaping.				
The waste storage space has a minimum internal dimension of either 1955mm x 1610mm or 2390mm x 1465mm to store one set of 240 litre recycling, food and garden waste and residual garbage bins in a way that can be accessed.				
Waste bin storage does not compromise visual and odour amenity for an occupant of the principle private open space.				
Waste bin storage has the bins in an area shaded at least from afternoon sun so as to minimise bin odour generation.				
Waste bin storage does not compromise visual amenity of views from windows or doors of the property or neighbours.				
Waste bin storage is set back behind the front building line, or suitably integrated visually to form part of the building line or landscaping.				

<b>Waste Storage Areas (continued)</b>	<b>YES</b>	<b>NOT YET</b>	<b>NO</b>	<b>N/A</b>
Waste bin storage located so bin odours are least likely to enter airflow for doors and windows for this or adjacent properties.				
<b>Foreshore and Waterway Developments only</b>	<b>YES</b>	<b>NOT YET</b>	<b>NO</b>	<b>N/A</b>
No waste bins will be installed on jetties as any litter that spills from the bin may end up in the water.				
Where needed, waste bins will be installed on land and be located at least four metres inland from the furthest reach of waves in storms, major lake waterway flood events and tides at highest king tide.				

<b>Route from Dwelling to External Waste Storage Areas</b>	<b>YES</b>	<b>NOT YET</b>	<b>NO</b>	<b>N/A</b>
The scaled plans show waste carting route(s), distances and gradients from buildings to waste storage area(s).				
There is unobstructed, safe access to move waste between source points (such as dwellings, businesses, buildings and public area bins) and the waste storage area(s).				
Safe, lit access from the dwelling (and home business/industry exit if applicable) to the waste storage area is less than: <ul style="list-style-type: none"> <li>a. 75 metres in length for residences; or</li> <li>b. 50 metres in length for adaptable housing and seniors' developments is wheelchair accessible.</li> </ul>				
Where wheeled bins up to and including 360 litres in size are used, the bin carting gradient is not steeper than 1:14. Where bins 660 litres and greater are used, carting gradients do not exceed 1:30.				
<b>Dual Occupancy Development only</b>	<b>YES</b>	<b>NOT YET</b>	<b>NO</b>	<b>N/A</b>
All occupants have reasonable access to the waste storage area.				
<b>Housing on Small and Narrow Lots only</b>	<b>YES</b>	<b>NOT YET</b>	<b>NO</b>	<b>N/A</b>
Occupants have unobstructed access (without steps and on a gradient less than 1:14) to move the bins to the location where bins are placed out for collection. Access is provided either through a side gate, a garage, courtyard, or by another unobstructed pathway that does not require passing bins through the dwelling's interior.				

<b>Route from Waste Storage Areas to Waste Collection Point(s)</b>	<b>YES</b>	<b>NOT YET</b>	<b>NO</b>	<b>N/A</b>
The scaled plans show bin carting routes from waste storage to collection point.				
The bin carting routes from waste storage area to the waste collection point is unrestricted and contains no: steps, walls, fences without gates, narrow gates, vegetation, stepping-stones, loose aggregates, or other obstacles.				
There is unobstructed, safe access to move bins and bulk waste (such as furniture and bulky cardboard) between storage and collection points.				
The distance of the route from waste storage area(s) to bin collection point(s) is less than: <ul style="list-style-type: none"> <li>a. 100 metres in length for commercial developments;</li> <li>b. 75 metres in length for residences; or</li> <li>c. 50 metres in length for adaptable housing and seniors' developments;</li> </ul> <i>Note: This is not required for dwellings in Rural Zones (zones RU2, RU4, RU6).</i>				
<b>Dual Occupancy Development – Additional Guidance on Controls</b>	<b>YES</b>	<b>NOT YET</b>	<b>NO</b>	<b>N/A</b>
The route from waste storage area(s) to waste collection point(s) does not pass through the interior of dwellings.				
For adaptable dwellings, the route through a garage does not require the removal of the vehicle to wheel the bin through.				

<b>Waste Collection Point(s)</b>	<b>YES</b>	<b>NOT YET</b>	<b>NO</b>	<b>N/A</b>
The scaled plans show waste collection area with all bins drawn to scale. Bins are spaced with at least a 300mm gap between bins and 300mm either side.				
The waste collection location is unobstructed and sufficiently sized to enable all wastes generated to be collected from the property.				
Bin lifts are not obstructed by signs, sign posts, fencing, retaining walls, vegetation or other elements.				
Bins are collected from a reasonably flat kerbside location (so bins will not fall over when emptied).				
Bins placed out for collection will not obstruct traffic, driveways, driver site lines, on-street car parking, bus stops, footpaths or pedestrian right of way, water flow in gutters, drainage swales, access to letterboxes, nor access to and from garages including not overlapping with the swept paths of turning vehicles.				
No more than 40 bins up to 360 litres in size are placed out at any single kerbside location on collection day.				
Mobile garbage bins (MGBs) 360 litre size and smaller that will be placed in kerbside waste collection locations are spaced with at least 300mm gaps between bins.				
<b>Secondary Dwelling – Additional Guidance on Controls</b>	<b>YES</b>	<b>NOT YET</b>	<b>NO</b>	<b>N/A</b>
Sufficient unobstructed space is available to allow for two types of waste bins to be placed kerbside for collection on any waste collection day.				
Sufficient unobstructed space is allocated along the kerb to allow for 2 cubic metres of bulk waste (including furniture and whitegoods, or a suitable alternative bulk waste collection management option is provided and described in the Operational Waste Management Plan.				

<b>Route from Waste Storage Areas to Waste Collection Point(s)</b>	<b>YES</b>	<b>NOT YET</b>	<b>NO</b>	<b>N/A</b>
The scaled plans show bin carting routes from waste storage to collection point.				
The bin carting routes from waste storage area to the waste collection point is unrestricted and contains no: steps, walls, fences without gates, narrow gates, vegetation, stepping-stones, loose aggregates, or other obstacles.				
There is unobstructed, safe access to move bins and bulk waste (such as furniture and bulky cardboard) between storage and collection points.				
The distance of the route from waste storage area(s) to bin collection point(s) is less than: <ul style="list-style-type: none"> <li>a. 100 metres in length for commercial developments;</li> <li>b. 75 metres in length for residences; or</li> <li>c. 50 metres in length for adaptable housing and seniors' developments;</li> </ul> <i>Note: This is not required for dwellings in Rural Zones (zones RU2, RU4, RU6).</i>				
<b>Dual Occupancy Development – Additional Guidance on Controls</b>	<b>YES</b>	<b>NOT YET</b>	<b>NO</b>	<b>N/A</b>
The route from waste storage area(s) to waste collection point(s) does not pass through the interior of dwellings.				
For adaptable dwellings, the route through a garage does not require the removal of the vehicle to wheel the bin through.				

<b>Waste Collection Point(s)</b>	<b>YES</b>	<b>NOT YET</b>	<b>NO</b>	<b>N/A</b>
The scaled plans show waste collection area with all bins drawn to scale. Bins are spaced with at least a 300mm gap between bins and 300mm either side.				
The waste collection location is unobstructed and sufficiently sized to enable all wastes generated to be collected from the property.				
Bin lifts are not obstructed by signs, sign posts, fencing, retaining walls, vegetation or other elements.				
Bins are collected from a reasonably flat kerbside location (so bins will not fall over when emptied).				
Bins placed out for collection will not obstruct traffic, driveways, driver site lines, on-street car parking, bus stops, footpaths or pedestrian right of way, water flow in gutters, drainage swales, access to letterboxes, nor access to and from garages including not overlapping with the swept paths of turning vehicles.				
No more than 40 bins up to 360 litres in size are placed out at any single kerbside location on collection day.				
Mobile garbage bins (MGBs) 360 litre size and smaller that will be placed in kerbside waste collection locations are spaced with at least 300mm gaps between bins.				
<b>Secondary Dwelling – Additional Guidance on Controls</b>	<b>YES</b>	<b>NOT YET</b>	<b>NO</b>	<b>N/A</b>
Sufficient unobstructed space is available to allow for two types of waste bins to be placed kerbside for collection on any waste collection day.				
Sufficient unobstructed space is allocated along the kerb to allow for 2 cubic metres of bulk waste (including furniture and whitegoods, or a suitable alternative bulk waste collection management option is provided and described in the Operational Waste Management Plan.				

Waste Collection Point(s) (continued)	YES	NOT YET	NO	N/A
<b>Housing on Small and Narrow Lots – Additional Guidance on Controls</b>	YES	NOT YET	NO	N/A
Sufficient unobstructed space is allowed for two waste service bins per dwelling to be placed out kerbside for collection on any waste collection day, or alternative shared waste service solutions planned with suitable shared storage locations.				
Sufficient unobstructed space is provided to allow for 1 cubic metre per dwelling of bulk waste (including furniture and whitegoods) to be placed out kerbside for collection, or alternative shared bulk waste service solutions outlined in the Operational Waste Management Plan with suitable shared storage locations.				
<b>Dual Occupancy Development – Additional Guidance on Controls</b>	YES	NOT YET	NO	N/A
At least 3.5 metres length per dwelling of unobstructed position on safe kerbside is available for bin collection.				
For the bulk waste collection space up to 2 square metres is designated on the kerbside.				

Waste Collection Vehicle Access	YES	NOT YET	NO	N/A
Kerbside waste collection points are unobstructed and efficiently accessible by waste collection vehicles. The collection point for bins is not blocked by on-street parking, driveways, street tree planting, roundabouts, parking bays, No Stopping zones, bus stops or utilities infrastructure (such as power poles or hydrants).				

Waste Management Information for Stakeholders	YES	NOT YET	NO	N/A
A waste system information guide will be provided to owners, occupants and property managers that contains: <ul style="list-style-type: none"> <li>the Operational Waste Management Plan;</li> <li>site plan drawing showing the waste storage and collection locations;</li> <li>information about any alternative waste service solutions used on the property (e.g. compost bins for gardens); and</li> <li>the wording for inclusion in any tenancy agreements communicating occupants responsibilities for managing waste at the premises.</li> </ul>				
<b>Foreshore and Waterway Developments – Additional Guidance on Controls</b>	YES	NOT YET	NO	N/A
Hazardous and liquid wastes will be properly managed so as to not pollute the waterway or foreshore.				
No boat shed includes washing and/ or cooking facilities, habitable rooms, or entertaining areas/ facilities.				
No boat shed includes storage of hazardous or liquid wastes.				

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## 3.1.6 Checklist for boarding houses and hostels, short term rentals, group homes, social housing

Use the following waste management checklist for boarding houses and hostels, short-term rental accommodation, group homes, social housing.

The general objectives, controls and guidance to meet operational controls for the relevant land zone apply to these developments. In addition, however specific land use controls under Part 9 of the DCP and Section 3 of the WMG sets out guidance that should be met.

For more information about the controls that apply to these types of developments, refer to WMG sections 3.2, 3.2.1, 3.2.3 or the DCP. For guidance, refer to the WMG section listed below:

- Boarding houses and hostels (3.2.12)
- Short-term rental accommodation (3.2.14)
- Group homes (3.2.13)
- Social housing (3.2.15)

If a discrepancy appears in the checklist between the controls provided in the checklist and the DCP, then the DCP prevails.

### Checklist – Operational Waste Management for Multiple Dwelling Developments: Boarding Houses, Hostels, Short Term Rentals, Group Homes, Social Housing

#### Summary of Multiple Dwelling Developments Application

Site Address and Lot/Plan(s):

Development application is for (fill in figures for all applicable works): \_\_\_ small lot house \_\_\_ 1 bedroom dwelling  
 \_\_\_ 2 bedroom dwelling \_\_\_ 3 bedroom dwelling \_\_\_ 4+ bedroom dwelling \_\_\_ garage/shed(s)  
 \_\_\_ carport/veranda(s) \_\_\_ m<sup>3</sup> trees \_\_\_ mixed use (businesses proposed are: \_\_\_\_\_  
 \_\_\_\_\_ Other: \_\_\_\_\_

#### Applicant Information

Applicant's Name:

Applicant's Address:

Applicant's Phone / Mobile:

Applicant's Email:

Applicant's Authorisation:

System for diverting operational waste to reuse, recycling or composting is maximised.

Plans/drawings that show operational waste storage areas, waste collection points and waste collection vehicle access are included in this application.

The checklist is completed accurately and in full.

The details provided on this form represent the applicant's genuine intentions for managing wastes related specifically to this project.

Signature of Applicant or Authorised Agent:

Date:

Waste Types	YES	NOT YET	NO	N/A
All types of wastes that will be generated are listed.				
The waste management plan provides for maximum resource recovery.				
Bulky waste (e.g. furniture, whitegoods, bulky cardboard) can be effectively managed.				
<b>Boarding Houses and Hostels – Additional Guidance on Controls</b>	YES	NOT YET	NO	N/A
The Boarding House design provides for a minimum volume of recycling, green waste and garbage capacity per dwelling as defined in WMG Table 9 for waste				
<b>Short-term Rental Accommodation – Additional Guidance on Controls</b>	YES	NOT YET	NO	N/A
Sufficient numbers of bins and waste storage space is provided per dwelling to store a minimum of 110 litres of recycling and green waste (including food) per week and 110 litres of general garbage per fortnight.				

<b>Avoidance, Reuse and Recycling</b>				
Opportunities for separation of reusable, recyclable, compostable and problem wastes from residual garbage bins are maximised.				
There is flexibility to expand or reconfigure waste separation systems, so that owners and occupants have can access a range of waste services.				
<b>Boarding Houses and Hostels – Additional Guidance on Controls</b>	YES	NOT YET	NO	N/A
The development is designed to ensure that the Boarding House or Hostel can provide an acceptable level of waste management amenity to occupants that will				
The development is designed to encourage reuse and swapping of furniture and resources between occupants.				
The development is designed to ensure waste, including bulk waste (such as furniture and whitegoods) can be managed to prevent littering and illegal				
<b>Short-term Rental Accommodation – Additional Guidance on Controls</b>	YES	NOT YET	NO	N/A
The design provides an acceptable level of waste management amenity to occupants so that they can maximise diversion of waste from landfill to recycling				
The development is designed to ensure waste, including bulk waste (such as furniture and whitegoods) is managed to prevent littering and illegal dumping,				
<b>Social Housing – Additional Guidance on Controls</b>				
The development is designed to ensure enable reuse and swapping of furniture and resources between occupants.				
The development is designed to ensure waste, including bulk waste (such as furniture and whitegoods) is managed to prevent littering and illegal dumping,				

Waste Storage Areas	YES	NOT YET	NO	N/A
The attached site plans show waste storage area(s) with all bins drawn to scale.				
The waste storage area(s) are screened from the main living spaces of dwellings, the public road and views from neighbours.				

Waste Storage Areas (continued)	YES	NOT YET	NO	N/A
The waste storage area(s) are located away from doors, windows and air intakes of all dwellings and businesses				
The waste storage area(s) are capable of storing sufficient amounts of garbage, recycling and food/garden organics waste bins to cater for the dwellings.				
For all adaptable housing, the waste storage area(s) are readily accessible to all occupants including those in wheelchairs in accordance with the Lake Macquarie City Council Non-Discriminatory Access Guidelines.				
The waste storage area(s) are secure from non-occupants and designed for safety in accordance with the Lake Macquarie City Council <i>Crime Prevention Through Environmental Design Guideline</i> .				
Where there is a door or gate for bin removal from the waste storage area(s), the door or gate is at least 900mm wide where bins up to 360 litres in size are used and at least 1600mm wide where bins up to 1100 litres in size are used.				
Where a door or gate opens inwards, no bins are stored within the arc of the swinging door. Where a door or gate opens outwards, the gate does not block the pathway for moving bins out to the collection point.				
Commercial and residential waste is stored in separated and secured areas.				
Bin enclosures are in character with the land use zone characteristics and blend with buildings and landscaping on the property in terms of appearance, materials, bulk and scale, location and orientation.				
Bin enclosures contain measures to prevent entry by vermin.				
Shared bin enclosures have lighting, water supply and bin washing facilities that drain to the sewer;				
There is sufficient storage space and a disposal plan for bulk waste, like furniture.				
There is waste storage cupboard space in or near each kitchen area that is sufficiently sized to hold two days' volume of waste in five separated containers sized between two and twenty litres for recyclables, food waste, soft plastic, problem wastes (e.g. batteries) and residual garbage.				
<b>Boarding Houses and Hostels – Additional Guidance on Controls</b>				
The development provides a waste storage space accessible to all guests within the accommodation that has sufficient space to store separated recycling, food waste, problem waste (such as batteries, light globes and paint) and residual garbage for a minimum of two days.				
There will be an on-site manager and there is an option to process garden and food waste in an on-site compost, worm farm or other organic waste processing solution for use on site in gardens.				
Waste storage cupboard space in or near each kitchen area is provided and is sufficiently sized to hold two days' volume of waste for the number of dwellings sharing the kitchen. These are in five separated containers sized between two and twenty litres (recyclables (like glass, plastic containers, paper and cardboard), food waste, soft plastic, problem wastes (e.g. batteries and globes) and residual garbage).				

<b>Waste Storage Areas (continued)</b>	<b>YES</b>	<b>NOT YET</b>	<b>NO</b>	<b>N/A</b>
The waste storage area must accommodate sufficient space for separate bins of sufficient capacity to hold enough recycling, residual garbage and food waste to allow for peak period use of the facility, within the waste collection frequencies identified in waste management plan.				
Waste storage areas include space for other wastes that can be recycled separately.				
Measures are in place to mitigate the impacts of odour and noise associated with the management of waste, such that it does not impinge on the enjoyment of the occupants utilising the accommodation and facilities. Noise is evaluated in accordance with NSW Environment Protection Authority's Industrial Noise Policy.				
<b>Short-term Rental Accommodation – Additional Guidance on Controls</b>	<b>YES</b>	<b>NOT YET</b>	<b>NO</b>	<b>N/A</b>
A weather-protected bulk waste storage space for furniture, whitegoods, etc. is provided. The space includes shelves for smaller items to encourage reuse of unwanted second-hand items between residents.				
The waste storage area provides sufficient space for separate bins of sufficient capacity to hold enough recycling, residual garbage and food waste to allow for peak period use of the facility, within the waste collection frequencies identified in waste management plan.				
The development provides a waste storage space accessible to all guests within the accommodation that has sufficient space to store separated recycling, food waste, problem waste (such as batteries, light globes and paint) and residual garbage for a minimum of two days.				
Waste storage areas include space for other wastes that can be recycled separately.				
Measures are in place to mitigate the impacts of odour and noise associated with the management of waste, such that it does not impinge on the enjoyment of the occupants utilising the accommodation and facilities. Noise is evaluated in accordance with NSW Environment Protection Authority's Industrial Noise Policy.				
<b>Group Homes – Additional Guidance on Controls</b>	<b>YES</b>	<b>NOT YET</b>	<b>NO</b>	<b>N/A</b>
Waste storage area(s) is provided that allow for a set of three 240 litre bins to be accessibly stored per every five residents in the group home, so as to allow flexibility in the number of bins the group home can have. Options for use of 660L and 1100L sized bins of equivalent capacity can also be proposed where collection from the waste storage area is directly accessible to waste collection vehicles.				
<b>Social Housing – Additional Guidance on Controls</b>	<b>YES</b>	<b>NOT YET</b>	<b>NO</b>	<b>N/A</b>
Adequate space for waste bin storage at the property is provided at least in accordance with the minimum waste storage area internal dimensions found in WMG section 3.2.15.				
A weather-protected bulk waste storage space for furniture, whitegoods, etc. is provided. The space includes shelves for smaller items to encourage reuse of unwanted second-hand items between residents.				

Route from Dwelling to Waste Storage Areas				
The scaled plans show waste carting route(s), distances and gradients from buildings to waste storage area(s).				
There is unobstructed, safe access to move waste between source points (such as dwellings, businesses, buildings and public area bins) and the waste storage area(s).				
Safe, lit access from the dwelling (and home business/industry exit if applicable) to the waste storage area is less than: <ul style="list-style-type: none"> <li>a. 75 metres in length for residences; or</li> <li>b. 50 metres in length for adaptable housing and seniors' developments is wheelchair accessible.</li> </ul>				
Where wheeled bins up to and including 360 litres in size are used, the bin carting gradient is not steeper than 1:14. Where bins 660 litres and greater are used, carting gradients do not exceed 1:30.				

Waste Collection and Removal	YES	NOT YET	NO	N/A
The scaled plans show waste collection area with all bins drawn to scale. Bins are spaced with at least a 300mm gap between bins and 300mm either side.				
The waste collection location is unobstructed and sufficiently sized to enable all wastes generated to be collected from the property.				
Kerbside waste collection points are unobstructed and efficiently accessible by waste collection vehicles. The collection point for bins is not blocked by on-street parking, driveways, street tree planting, roundabouts, parking bays, No Stopping zones, bus stops or utilities infrastructure (such as power poles or hydrants).				
Bin lifts are not obstructed by signs, sign posts, fencing, retaining walls, vegetation or other elements.				
Bins are collected from a reasonably flat kerbside location (so bins will not fall over when emptied).				
Bins placed out for collection will not obstruct traffic, driveways, driver site lines, on-street car parking, bus stops, footpaths or pedestrian right of way, water flow in gutters, drainage swales, access to letterboxes, nor access to and from garages including not overlapping with the swept paths of turning vehicles.				
No more than 40 bins up to 360 litres in size are placed out at any single kerbside location on collection day.				
Mobile garbage bins (MGBs) 360 litre size and smaller that will be placed in kerbside waste collection locations are spaced with at least 300mm gaps between bins.				
<b>Short-term Rental Accommodation – Additional Guidance on Controls</b>	YES	NOT YET	NO	N/A
Sufficient space is provided for two of each set of three bins to be placed kerbside for collection, or an alternative waste bin collection option proposed.				
Where use of 660L and 1100L sized bins of equivalent capacity is proposed, the waste storage area is accessible to waste collection vehicles.				
<b>Group Homes – Additional Guidance on Controls</b>	YES	NOT YET	NO	N/A
Sufficient space is provided for two of each set of three bins to be placed kerbside for collection, or an alternative waste bin collection option proposed.				
Where use of 660L and 1100L sized bins of equivalent capacity is proposed, the waste storage area is accessible to waste collection vehicles.				

Route from Waste Storage Areas to Waste Collection Point(s)	YES	NOT YET	NO	N/A
The scaled plans show bin carting routes from waste storage to collection point.				
The bin carting routes from waste storage area to the waste collection point is unrestricted and contains no: steps, walls, fences without gates, narrow gates, vegetation, stepping-stones, loose aggregates, or other obstacles.				
There is unobstructed, safe access to move bins and bulk waste (such as furniture and bulky cardboard) between storage and collection points.				
The distance of the route from waste storage area(s) to bin collection point(s) is less than: <ul style="list-style-type: none"> <li>a. 100 metres in length for commercial developments;</li> <li>b. 75 metres in length for residences; or</li> <li>c. 50 metres in length for adaptable housing and seniors' developments;</li> </ul> <i>Note: This is not required for dwellings in Rural Zones (zones RU2, RU4, RU6).</i>				
<b>Group Homes – Additional Guidance on Controls</b>	YES	NOT YET	NO	N/A
Safe, lit access from dwelling or business exit to allocated bin storage area is provided that is less than 50 metres in length for occupants.  Where the group home is an adaptable home, there is sufficient space for occupants using wheelchairs or other mobility aids to be able to access the bins to place waste inside and to move bins out to the collection point without having to move cars that may be parked in the way (in garages, driveways or next to the bin presentation point).				

Waste Management Information for Stakeholders	YES	NOT YET	NO	N/A
A waste system information guide will be provided to owners, occupants and property managers that contains: <ul style="list-style-type: none"> <li>• the Operational Waste Management Plan;</li> <li>• site plan drawing showing the waste storage and collection locations;</li> <li>• information about any alternative waste service solutions used on the property (e.g. compost bins for gardens); and</li> <li>• the wording for inclusion in any tenancy agreements communicating occupants responsibilities for managing waste at the premises.</li> </ul>				
<b>Boarding Houses and Hostels – Additional Guidance on Controls</b>	YES	NOT YET	NO	N/A
Signs and information resources will be available to ensure continuing coordinated awareness and behavioural education to achieve waste avoidance, resource reuse and sharing, waste separation, waste management and litter and illegal dumping prevention.				
<b>Short-term Rental Accommodation – Additional Guidance on Controls</b>	YES	NOT YET	NO	N/A
Signs and information resources will be available to ensure continuing coordinated awareness and behavioural education to achieve waste avoidance, waste separation, waste management and litter and illegal dumping prevention.				

<b>Operational Waste Management Plan Completion</b>								
<b>Comments regarding any deviation from the waste management controls and guidance:</b>								
Waste Management Checklist and coversheet has been completed and signed								

## 3.1.7 Operational waste management plan for multiple dwelling developments

### **OPERATIONAL WASTE MANAGEMENT PLAN –MULTIPLE DWELLING DEVELOPMENTS**

Ongoing use waste will be avoided or minimised by: \_\_\_\_\_

**Attachments** – the following documents are attached to this application:

Design and/or landscape floor plan drawings (drawn to scale) showing:

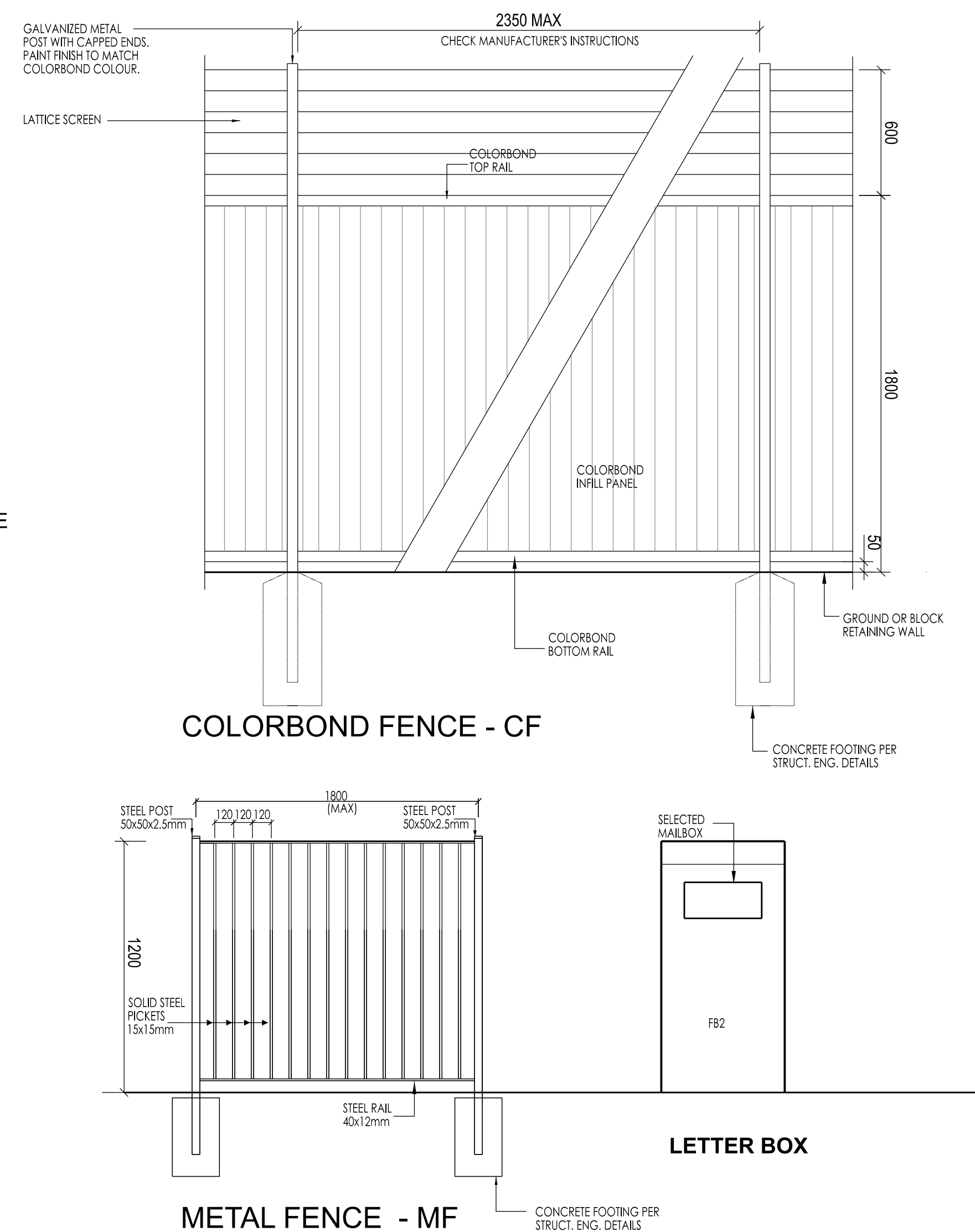
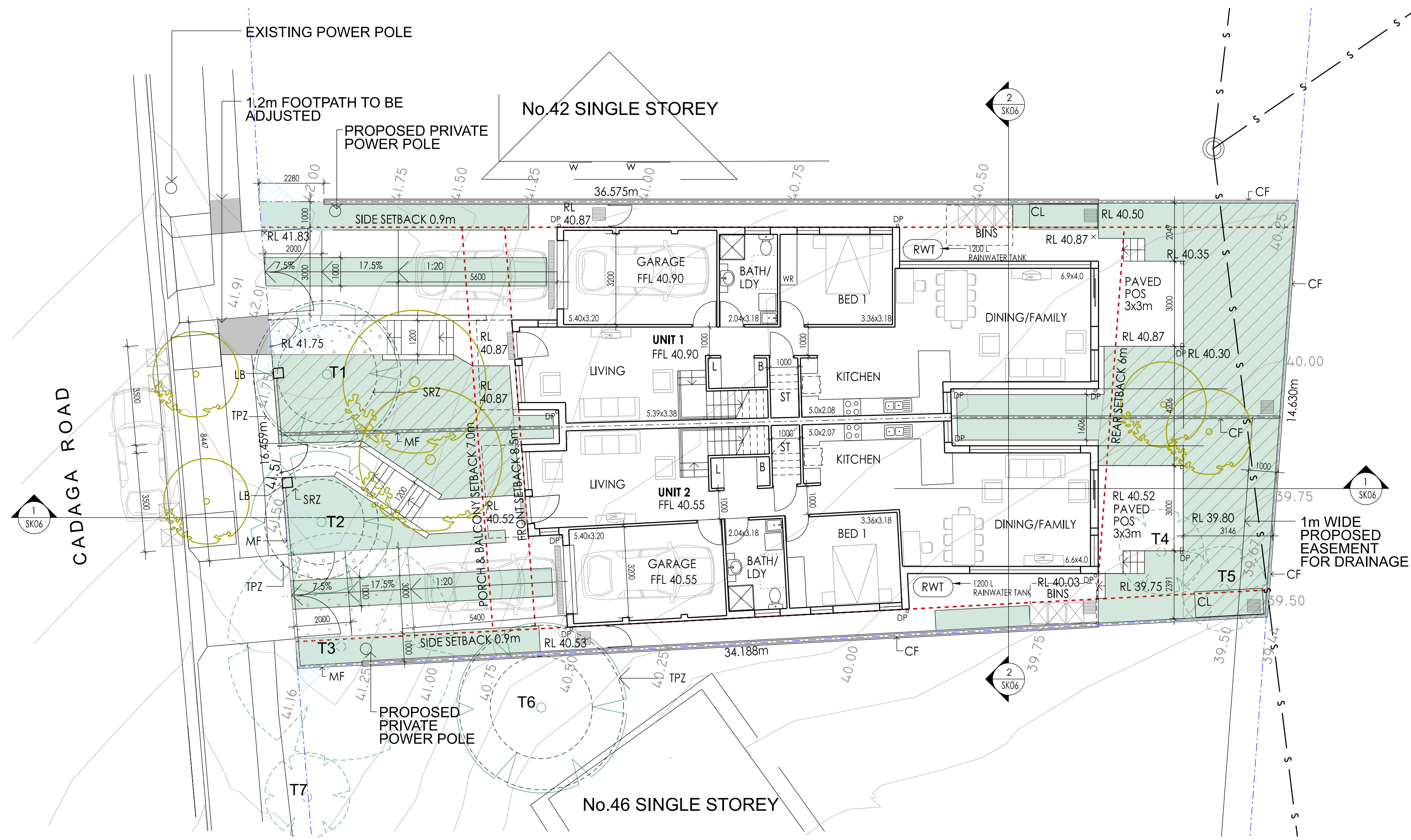
- ☐ all bins, facilities and areas to be used for on-site waste storage and collection
- ☐ door/gate widths, no steps, gradients and carting distances of route(s) between waste storage and collection points

Where waste collection will take place on site, drawings show:













- ☐ access roads/driveways, vehicle turning circles, pavement strength, collections points free from obstructions beside or above where bins will be emptied
- ☐ a copy of the waste management system information guide that will be provided to occupants and property managers

Type of development (dual occupancy, residential flats, etc.) _____	Litres per week Standard collections	Bin size, Number of bins, Collection frequency	Reuse on site Specify proposed on site reuse methods and waste volume	Reuse or recycling offsite Specify recycling collection service provider and recycling facility destination	Disposal to licenced landfill Specify waste collection service provider and landfill destination
Number of dwellings: _____					
<b>Waste Type:</b>	<b>Per dwelling (1-2 people):</b>			<i>If Council collection services are used then pre-filled text applies. Where private collection contractor is used then applicants must provide information.</i>	
<b>Recyclables</b> bottles, containers, paper and cardboard	60L/week			<i>Recycling is processed at Solo Gateshead facility</i>	<i>n/a</i>
<b>Green waste</b> food and garden organic waste	80L/week			<i>Processed at Lake Macquarie Organics Resource Recovery composting plant located on the Awaba Waste Management Facility</i>	<i>n/a</i>
<b>Garbage</b> other non-recyclable wastes	60L per week			<i>n/a</i>	<i>240L/fortnight Lake Macquarie City Council kerbside collection service.</i>
<b>Bulky waste</b> furniture, e-waste, mattresses, metals and whitegoods	1m <sup>3</sup> per collection			<i>Council bulk waste collection service; e-waste, whitegoods, metals, mattresses and bundled garden waste recycled via Council contracts.</i>	<i>Council kerbside bulk waste collection service; residual bulk waste landfilled at Awaba Waste Management Facility.</i>
<b>Problem wastes</b> oil, paint, chemicals, gas bottles, batteries, sharps	As arises over the year			<i>Deliver to Community Recycling Centre at Awaba Waste Management Facility; sharps to chemists; batteries to library recycling stations</i>	<i>n/a</i>





- ## BASIS COMMITMENTS
1. External wall
    - a. cavity brick with 20mm XPS polystyrene insulation to ground floor,
    - b. fibre cement cladding with R2.5 insulation to first floor
  2. Windows
    - a. Awning windows aluminium framed single high solar gain low e glazing: U=5.4, SHGC=0.49
    - b. Sliding windows and doors and fixed windows aluminium framed single high solar gain low e glazing: U=5.4, SHGC=0.58
  3. Internal walls
    - a. plasterboard on studs,
    - b. cavity brick to party wall
  4. Floor
    - a. concrete slab-on-ground to ground floor,
    - b. framed floor to first floor
  5. Ceiling plasterboard with R4.0 insulation where adjacent to roof or roof space
  6. Roof metal roof with R1.0 foil backed insulation blanket,
    - a. dark colour to ground floor,
    - b. medium colour to first floor
  7. 4 star rated taps and toilets suites throughout
  8. 1200L rainwater tank to each unit, collecting at least 65m<sup>3</sup> of roof area
  9. Rainwater used for garden irrigation and flushing of all toilets
  10. 5 star instantaneous gas HWS
  11. Provide energy efficient lighting (fluoros, compact fluoros & LEDs) throughout
  12. Gas cooktop & electric oven
  13. Provide a fixed outdoor clothes line (receives minimum 2hrs sunshine in winter)

- LEGEND:**
- |   |  |
|---|--|
| B   | : BROWN CUPBOARD                           |
| BRW   | : BLOCK RETAINING WALL                     |
| C   | : CONCRETE                                 |
| CC  | : COLOURED CONCRETE                        |
| CF  | : COLORBOND FENCE 1800mm                   |
| CL  | : CLOTHES LINE                             |
| CO  | : CUSTOM ORB COLORBOND ROOF                |
| CP  | : CARPET                                   |
| CS  | : CONCRETE SLAB                            |
| CT  | : CERAMIC TILES                            |
| DP  | : DOWNPIPES                                |
| FC  | : FIBRE CEMENT BALUSTRADE                  |
| FR  | : FRIDGE                                   |
| FB  | : FACE BRICKWORK                           |
| G   | : GATE TO MATCH FENCE                      |
| GD  | : GRATED DRAIN                             |
| HW  | : HOT WATER UNIT                           |
| L   | : LITTER CUPBOARD                          |
| LB  | : LETTER BOX                               |
| MF  | : METAL FENCE 1200mm HIGH                  |
| P   | : PANTRY                                   |
| POS   | : PRIVATE OPEN SPACE                       |
| RWT   | : RAIN WATER TANK                          |
| SK  | : SKY TUBE                                 |
| ST  | : STORAGE                                  |
| T   | : LAUNDRY TUB                              |
| TOW   | : TOP OF WALL                              |
| WR  | : WARDROBE                                 |
| WM  | : WASHING MACHINE BY TENANT                |
|  | : GARBAGE BIN                              |
|  | : STORMWATER PIT                           |
|  | : DEEP SOIL AREA                           |
|  | : LANDSCAPE AREA                           |
|  | : POROUS PAVERS PER ARBORIST REPORT        |
| T#  | : TREE NUMBER<br>PER ARBORIST REPORT       |
| TPZ   | : TREE PROTECTION ZONE                     |
| SRZ   | : STRUCTURAL ROOT ZONE                     |
|  | : EXISTING TREE TO BE RETAINED             |
|  | : EXISTING TREE TO BE REMOVED              |
|  | : PROPOSED NEW TREE<br>PER LANDSCAPE PLANS |
|  | : BOUNDARY LINE                            |
|  | : SEWER LINE                               |
|  | : 2.5 x 2m VISIBILITY TRIANGLES            |
|  | : EXISTING SPOT LEVELS                     |

### 9.1.2 Construction waste management checklist (all development types)

Checklist – Construction Waste Management	
Site Address and Lot/Plan(s):	44 Cadaga Road, Gateshead Lot 499 DP 224374
Applicant Information	
Applicant's Name:	Sumir Diwan
Applicant's Address:	NSW Land and Housing Corporation Level 3, 10 Valentine Avenue, Parramatta NSW 2150
Applicant's Phone / Mobile:	T 02 9765 3820   M 0433 571 784
Applicant's Email:	sumir.diwan@facs.nsw.gov.au
Applicant's Authorisation:	
<p>Diversion of any construction waste to reuse, recycling or composting is maximised.</p> <p>Plans showing construction stages waste storage areas, waste collection points and waste collection vehicle access are provided in this application and will be provided to all stakeholders in the construction process.</p> <p>The checklist has been completed accurately and in full.</p> <p>The details provided on this form represent the applicant's genuine intentions for managing wastes related specifically to this project.</p>	
Signature of Applicant or Authorised Agent:	Marija Popovic
Date:	13/04/2023

Construction proposal – outline
<p><b>Number and scale of Buildings/Structures to be constructed</b>(fill in figures for all applicable):</p> <p>___ 1 bedroom dwelling(s) ___ 2 bedroom dwelling(s) ___ 3 bedroom dwelling(s) ___ 4+ bedroom dwellings ___ garage/shed(s) ___ carport/veranda(s) ___ m fencing ___ m<sup>2</sup> paving/driveway ___ m<sup>3</sup> trees ___ conduit/piping Other: <u>Dual Occupancy - 2 x 4 bedroom units</u></p>

Construction checklist	YES	NOT YET	NO	N/A
<b>Waste Types</b>				
All types of wastes to be generated are listed, including from installation of floors, walls, roofing, structures, fencing, paving, doors and windows, internal fit out, fittings, conduit and wiring, landscaping and any other structures or infrastructure.	Y			

Avoidance, Reuse and Recycling				
All wastes that can be reused or recycled are identified.	Y			
Plan maximises beneficial reuse of infrastructure, buildings and materials on site.	Y			
Plan maximises diversion of any construction waste to reuse/recycling/composting.	Y			
Second-hand and recycled content resources will be used for construction where possible and where this visually integrates with the natural landscape character and dwelling form. (A detailed control only required in Environment Protection Zones (zones E2, E3 and E4)s but encouraged in other zones.)				
Proposals for offsite reuse meet NSW Resource Recovery Orders and Exemptions.				N/A
The name of a licenced facility (to which the respective construction waste could be sent for reuse, recycling or disposal) is included in the plan.				
Any recycling and green waste bins on site prior to construction are noted in the construction plan to be returned to Council's contractors (Council contacted)				N/A

Construction checklist	YES	NOT YET	NO	N/A
Waste Storage Areas				
Reusable resources and waste can be appropriately and effectively stored.	Y			
Reusable resources and waste can be appropriately, effectively and safely removed from site without adverse impacts on local amenity.	Y			
The waste storage area(s) for construction waste are shown on the construction plans.	Y			
Waste management plan(s) demonstrate that sufficient area is allocated for separate storage and collection of site occupants' wastes and construction wastes.				N/A
Waste can be placed in the bins without moving bins around.	Y			
Sufficient area is allocated for separate storage and collection of problem wastes (such as light bulbs, batteries, gas bottles, oils, cooking oils and paint).				N/A
For staged constructions, waste management for each stage is shown in plans and described in the construction waste management plan.				N/A
All waste management plans show the appropriately located, sized and suitably screened waste storage locations related to the construction sequencing of the development. Waste will be contained within the construction site in a suitably screened area of least 3.5m <sup>2</sup> and 1.2 metres high.	Y			
The waste storage area is located conveniently for construction work team to use it.	Y			
The routes for movement of waste between work site and waste storage area are obstruction-free.	Y			



Waste Collection and Removal				
The routes for movement of bins and waste between storage and collection points, are obstruction-free (if waste is moved between the waste storage area(s) and collection point(s)).				N/A
Waste bin collection point(s) are provided that are accessible for waste collection vehicles. There are no obstructions to turning or reversing, pulling up vehicles and lifting bins.	Y			
All waste management plans show access and turning space provisions for waste collection vehicles through each construction stage.				N/A
Access will not be compromised by construction-related activities vehicles or other consequences of construction staging.	Y Builder's responsibility			
All waste not being reused on site will be removed during, or at the completion of, the construction stage.	Y Builder's responsibility			
No waste will be left on site unless it is part of valid reuse on site, which is integral to and in place in the design, or is a few spares for use in future maintenance repairs, or has valid reuse for another authorised use of the property.	Y Builder's responsibility			
In order to manage noise levels, collection of waste from the construction site will only occur during hours approved for construction work.	Y Builder's responsibility			

Waste Management Information for Stakeholders				
All Waste Management Plans will be provided to any relevant person involved in the construction, including project managers, builders, contractors, sub-contractors and architects.	Y			

Construction checklist	YES	NOT YET	NO	N/A
<b>Construction Waste Management Plan Completion</b>				
Comments regarding any deviation from the waste management controls and guidance:				
Waste Management Plan Checklist and coversheet has been completed and signed	Y			

List of Items for Reuse
<p>The following buildings, building components and infrastructure will be reused from other sites (avoiding waste) – <i>Examples provided in pre-filled text, remove what does not apply and/or add others that do apply:</i></p> <p><del>fill (VENM, ENM), aggregates</del></p> <p><del>roofing</del></p> <p><del>timber</del></p> <p><del>bricks, pavers</del></p> <p><del>windows, doors</del></p> <p><del>pipes and conduit</del></p> <p><del>water tanks</del></p> <p><del>fencing and gates</del></p>
<p>The following construction wastes will be reused on site for integration into the design or retained for future maintenance repairs, or other valid reuse on the property:</p> <p><del>fill (VENM, ENM), aggregates</del></p> <p><del>roofing</del></p> <p><del>timber</del></p> <p><del>bricks, pavers</del></p> <p><del>windows, doors</del></p> <p><del>pipes and conduit</del></p> <p><del>water tanks</del></p> <p><del>fencing and gates</del></p>

9.1.3 Construction waste management plan (all development types)

**CONSTRUCTION WASTE MANAGEMENT PLAN**

Waste Type:	Waste amounts (m <sup>3</sup> or Tonnes)	Reuse on site Specify proposed on site reuse methods and waste volume.	Reuse or recycling offsite Specify recycling collection service provider and recycling facility destination	Disposal to licenced landfill Specify waste collection service provider and landfill destination
Concrete	0.02m <sup>3</sup>	Use as bedding under concrete where possible, or as aggregate for drainage		Awaba Waste Management Facility
Bricks, blocks and pavers	0.025m <sup>3</sup>	Use as bedding under concrete where possible, or as aggregate for drainage		Awaba Waste Management Facility
Tiles	0.01m <sup>3</sup>	Use full tiles for future reuse as spares		Awaba Waste Management Facility
Asphalt	N/A			
Timber/pallets untreated	N/A			
Timber – treated/painted	N/A			
Timber – composite	0.125m <sup>3</sup>	Reuse on site for smaller works		Awaba Waste Management Facility
Pallets (if not with timber)	0.05m <sup>3</sup>	-		Awaba Waste Management Facility
Plasterboard and plaster	0.05m <sup>3</sup>	Reuse on site for smaller works		Awaba Waste Management Facility
Metal tins/packages	1m <sup>3</sup>	-		Awaba Waste Management Facility
Metals (please specify)	fence, gutters, downpipes roof, posts - offcuts	-		Awaba Waste Management Facility
Plate glass	N/A			
Plastic wrap/film	0.01m <sup>3</sup>	-		Awaba Waste Management Facility
Plastic – rigid packaging	0.01m <sup>3</sup>	-		Awaba Waste Management Facility
Plastic conduit/pipe	0.008m <sup>3</sup>	-		Awaba Waste Management Facility
Plastic (please specify)				
Cardboard boxes/paper	4m <sup>3</sup>	Use for short-term storage of other materials on site		Awaba Waste Management Facility
Food waste	1 bag per day	-		Awaba Waste Management Facility
Furnishings and equipment	0.125m <sup>3</sup>	-		Awaba Waste Management Facility
Glues/solvents/chemicals	0.08m <sup>3</sup>	-		Awaba Waste Management Facility
Other (please specify)	Wall & Ceiling Insulation 0.25m <sup>3</sup>	-		Awaba Waste Management Facility



