

WASTE MANAGEMENT PLAN

Site Address : 51 Drummond Street, Belmore

Proposed Development

Demolition of all existing structures and the construction of a six (6) storey shop top housing development consisting of a commercial tenancy and twenty-six (26) residential units, two (2) levels of basement parking, landscaping and site works.

DEMOLITION MATERIALS ON-SITE Type of Material	DESTINATION			
	Estimated Volume (m³)			
	Total	Reuse	Recycling	Disposal
Excavation Materials	-	-	-	-
Green Waste	5	-	25	-
Bricks	30	-	30	-
Concrete	165	-	165	-
Timber				
walls	5	-	5	-
roof/floor framings	3	-	3	-
MDF cabinet carcass	6	-	6	-
painted doors & frames	8	-	8	-
Plasterboard	15	-	15	-
Metal				
Galvanized steel roofing & others	110	-	110	-
Metal doors	5	-	5	-
Others				
ceramic tiles	6	-	6	-
sanitary fittings	5	-	5	-
hardware	3	-	3	-

DURING CONSTRUCTION Type of Material	DESTINATION			
	Estimated Volume (m³)			
	Total	Reuse	Recycling	Disposal
Excavation Materials	6000	500	5500	-
Green Waste	-	-	-	-
Bricks	3	-	3	-
Concrete	4	-	4	-
Timber				
walls	-	-	-	-
roof/floor framings	-	-	-	-
MDF cabinet carcass	2	-	2	-
painted doors & frames	3	-	3	-
Plasterboard	8	-	8	-
Metal				
galvanized steel roofing & others	-	-	-	-
Others				
ceramic tiles	6	-	6	-
sanitary fittings	1.5	-	1.5	-



hardware	2	-	2	-
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NOTE: Volumes and range of materials are under the preliminary estimation based on the existing drawings and documents available at this stage. Figures that are the rough approximation are for reference only and will be revised after the demolition work is completed.

DESCRIPTIONS

The contractor awarded for the tendered works will appoint the waste contractors, recyclers, recycling outlets and the landfill site. The contractor will submit detailed information relating to the contractor's site management and the method of reuse, recycling and disposal of material before the date of commencement of work.

Excavation Material

Appointed waste contractor will dispose the excavated and import soil from an approved landfill site from the awarded builder.

Green Waste

Green waste shall be appropriately disposed of and possibly reused on site as mulch.

Bricks

The concrete mortar bricks will be separated and sent to a crushing and recycling company. Some brickwork may be re-used on site at the main contractor's discretion.

Concrete

All existing concrete structures and rubble will be separated and sent to a crushing and recycling company.

Timber

Door leaves, door frames, and cabinet carcasses will be stockpiled and recycled by a timber recycler or waste contractor appointed by the main contractor. Door leaves in good condition could be resold for recycling. Wall stud framing and roof framing will be recycled for formwork or studwork where possible and the remainder transported by the waste contractor.

Plasterboard

Any wall or ceiling plasterboard will be sent to a landscape supplier or a recycling outlet for recycling.

Metal

Existing steel roofing and any metalwork demolished will be delivered to an approved metal recycler.

Asbestos

The contractor awarded for the tendered works will appoint licensed asbestos contractor/s to remove the asbestos found on site and send them to special waste management plant/s as required by statutory controls.

Others

Ceramic tiles and sanitary fittings will be sent to crushing and recycling company for recycling. Door hardware will be delivered to any recycling building supply company.



SITE MANAGEMENT

1. All machinery, equipment and materials will be loaded, unloaded, and used via Drummond Lane.
2. Excavated material and waste will be placed and stored in a waste bin. Debris is to be hosed down and kept damp to prevent dust nuisance.
3. Adequate protection will be provided to the road and footpath area from building activities, no crossings by heavy equipment, plant and materials delivery, static loads from cranes, concrete pumps, and the like, to prevent any damage.
4. The contractor awarded will provide application of a construction zone, a pumping permit, standing a mobile crane and/or an application to pump water into a public road. All applications are subject to the discretion of the awarded contractor determining their specific construction process, procedures, programmes and schedules. The contractor will submit all necessary applications to Council and approval obtained before the commencement of work, once the contractor is awarded after tender.
5. Proposed areas to be used for storage of construction materials, recycled materials, excavated material and waste to be located on site.
6. Demolition, excavation, building work associated with the proposed development will be restricted to the hours of 7.00am to 5.30pm Monday to Friday inclusive, 7.00am to 1.00pm Saturday. Work is not to be carried out on Sunday or Public Holidays. Times for truck delivery of concrete and other bulky materials and spoil removal of the site will be within the period above and will be notified to neighbouring properties 24 hours prior to any major traffic/delivery activities happen.
7. Soil/excavated material is not to be transported on wheels or tracks of vehicles entering or leaving the site. At the end of each working day any dust, dirt or other sediment shall be swept off the road and contained on site and not washed down any storm water pit or gutter.



ONGOING WASTE MANAGEMENT

All on-going waste within the development will be managed by a 'building manager/caretaker' that will wheel the bins from the waste bins storage area to loading bay located in between the two building on the ground level (waste collection area) on a weekly basis. From here (loading area), all bins will be collected by council's weekly waste services. The building manager will then wheel the bins back to the bin's storage area.

Waste management facilities will:

- be conveniently located to enable access for on-site movement and collection;
- relate to other loading/unloading facilities;
- have sufficient space for the quantity of waste generated and careful source separation of materials (e.g. recyclables);
- have sufficient space to comfortably contain any on-site treatment facilities (e.g. compaction equipment);
- have adequate weather protection;
- be secure and lockable, where appropriate;
- be well-ventilated and drained to the sewer;
- be clearly signposted to ensure appropriate use.

Waste Generation

The estimated waste generation rates for the commercial and residential components of the development are calculated below, using the figures in part B "General controls" of Canterbury Council's *Recycling and Waste Management specification*:

Type	Specification	No. of Bins required
Commercial	188 m²	
Waste	1 x 240 litre bin per property	1 x 240L
Recycling	1 x 240 litre bin per property	1 x 240L
Subtotal		2 x 240L
Residential	26 units	No. of Bins required
Waste	1 x 660 litre bin per six units, plus one bin for any three units over	5 x 660L
Recycling	1 x 660 litre bin per eight units plus one bin for any four units over	4 x 660L
Green	1 x 240 litre bin per five units	5 x 240L
Subtotals		9 x 660L 5 x 240L

Commercial (240L bin):

Waste bin provided: 1 bin

Recycle bin provided: 1 bin

Residential (660L bin):

Waste bin provided: 5 bins

Recycle bin provided: 4 bins

Residential (240L bin):

Green waste bin provided: 5 bins

