

Waste Management Plan

For

52 Wakehurst Parkway NORTH NARRABEEN

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CONSTRUCTION WASTE MANAGEMENT PLAN

1.1 Purpose

To avoid whenever practical, the generation of waste and to ensure an efficient recycle procedure of all waste material. The development has been designed when possible to fit with standard, readily available materials and sizes. Unused steel will be recycled in the skip bin.

1.2 Scope

This procedure applies to the use of building materials that are able to be recycled and/or include recycled material in their production or packaging.

1.3 Procedure

1.3.1 Waste Minimisation

Major subcontractors will be encouraged to submit waste minimisation details including the following:

- a. Practical measures associated with their works to prevent waste entering the site
- b. Waste resulting from their work which can recycled are to be actively managed as part of their waste reduction plan
- c. Alternative products containing recycled materials that could be utilised in their works which conform and meet the design specification

- d. Ordering the quantities of materials prefabrication of materials where possible
- e. Minimising site disturbance and to limit unnecessary excavation
- f. Careful sourcing separation of off-cuts to facilitate re-use, resale or efficient recycling

1.3.2 Demolition

Pre-Demolition

The pre-demolition stage of the development is the time to put in place a demolition waste management plan in line

- a. Waste Streams: Identify which waste streams are likely to be generated and the approximate amounts of material
- b. Services: Select an appropriately qualified waste management contractor to provide services for the waste streams generated and data on waste/recycling generation
- c. On-site: Understand how the waste management system will work onsite, including bin placement and access

- Determine storage requirements (separate bins or co-mingled), things to consider include:

- Ease of use: Ensure the containers are easily accessible by workers
- Safety: Ensure that the containers and storage can be managed safely, including limiting public access to the site and
- Aesthetics: Ensure that the site appears orderly and will not raise concern from local residents

-Establish a collection/delivery plan in collaboration with waste contractors for waste and recyclable materials generated on-site

-Separation of different materials for collection and/or recycling is on way of preventing contamination and increasing resource recovery rates. Source separation is particularly important in minimising damage to salvaged materials, such as window glass, high-value timber and furnishings

-Offsite sorting using comingled demolition waste bins is another means of recovering demolition waste materials

During Demolition

On-site activities during demolition are critical in achieving the objectives of the waste management plan, these includes:

- Clearly assign and communicate responsibilities
- Engage and educate personnel: be clear about how
- Monitor

Post Demolition

Evaluate: Once the project is complete evaluate your estimates in the plan against actual waste generated

Selected deconstruction will be employed where appropriate to the work being demolished. Colour coded or clearly labelled bins will facilitate recycling separation techniques. Maximum re-use and recycling both off-site and on-site procedures will be employed.

The Site Manager will seek to:

- a. Re-use excavated materials on-site and disposal of excess to an approved site
- b. Green waste mulched and re-used in landscaping either on or off-site
- c. Bricks, tiles and concrete re-used as appropriate or recycled off-site
- d. Plasterboard re-used in landscaping on-site, or returned to supplier for recycling
- e. Framing timber re-used on-site or recycled
- f. Window, doors and joinery recycled off-site
- g. Plumbing, fittings and metal elements recycled off-site
- h. All Asbestos, hazardous and/or intractable wastes are to be disposed of in accordance with Work Cover Authority and EPA requirements
- i. Location of on-site storage for materials to be used on-site, or separated for recycling off-site

1.3.9 Waste Management

- a. The site area to be used for on-site separation, treatment and storage should be identified. This may be included on the "Traffic Management" or "Erosion and sediment control" plan.
- b. Waste will be separated and/or stored onsite for re-use and recycling
- c. Site operations will ensure minimal waste creation and maximum reuse and recycling by:
 - i. Staff Training
 - ii. Employment of Waste Management Contractor
 - iii. Recycled materials used in construction
 - iv. Waste Management requirements stipulated in sub-contracts
 - v. On-going checks by site supervisors
 - vi. Separation area or bins set aside for sorted waste
 - vii. Clear signage of waste areas

1.3.10 Training

Waste minimisation will be part of the site environmental awareness program that will be incorporated into the site induction program

The responsibility to ensure that waste materials go into the correct bins will be everyone on site

1.4 Measure of Performance

A Waste Management Contractor will be involved in the early stage of the project to ensure effective planning for waste management.

The Waste Management Contractor will coordinate waste recycling, measurement, recovery and disposal.

1.5 Monitoring

The Waste Management Contractor will be responsible for providing monthly reports to the Site Manager. These reports will measure the number and size of bins, waste type in each bin, total tonnage/cubic metres generated and total tonnage/cubic metres recycled.

The Project Manager in regular project audits to be presented to Senior Management will include reports on the percentage of materials recycled.

1.6 Corrective Actions

Where a subcontractor has caused a bin to be contaminated unduly, the Site Manager will be advised by a non-conformance report procedure. All Corrective action taken by the subcontractor shall be monitored and recorded against the Non-Conformance procedure, all of which shall be at the cost of the offending subcontractor.

Refer to table below

Materials On-Site	Destination			
Type of Material	Estimated Volume (m3) or Area (m2) or weight (t)	ON-SITE Specify how materials will be reused or recycled on-sites	OFF-SITE Specify the contractor and recycling outlet	Specify the contractor and landfill site
Demolition Material & Green Waste	3m ³		Contractor to be confirmed	Contractor to be confirmed
Excavation Material	3m ³		Contractor to be confirmed	Contractor to be confirmed
Green Waste	Nil	Not Applicable		
Bricks	Nil	Not Applicable		
Concrete	Nil	Not Applicable		
Timber	Nil	Not Applicable		
Plasterboard	Nil	Not Applicable		
Metals	Nil	Not Applicable		

Other waste e.g ceramic tiles, paints, plastics, PVC tubing, cardboard	Nil	Not Applicable		
	Reuse	Recycle	Disposal	
Type of waste	Estimate Vol.(m³) or weight	Estimate Vol.(m³) or weight	Estimate Vol.(m³) or weight	Specify materials of reuse, recycling outlet and waste depot used
Excavation Material				Contractor to Remove
Timber				Skip bin- Contractor to remove
Concrete				Unused concrete will be returned
Bricks				Unused bricks will be kept as spare
Tiles				
Metal				Off Cuts will be returned to supplier
Glass				
Furniture				
Fixtures/Fittings				
Floor Coverings				
Packaging				Skip bin- contractor to remove
Garden Organics				
Containers				
Paper				
Residual Waste				
Hazardous/Special				
Other				

Frequency of Collections (per week)				
Number and size of storage bin required				
Floor Area required for bin storage bin (m ²)				