

SITE WASTE MINIMISATION AND MANAGEMENT PLAN

PROJECT Demolition of existing structures and development of Affordable Rental Housing for a 'new generation co-living' boarding house development containing 25 rooms, plus 1 managers room and 2 levels of parking at the basement and lower ground level

ADDRESS 67 Pacific Parade, Dee Why, NSW 2099

COUNCIL Northern Beaches Council

DATE 01 December 2020



DEMOLITION STAGE

MATERIALS	EST. WASTE (m³)	EST. Reuse (%)	PERCENTAGE Recycle (%)	PERCENTAGE Dispose (%)	ON SITE RECYCLING	OFF SITE RECYCLING	OFF SITE DISPOSAL
Green Waste	25.0	20	75	5	All small branches and leaves chipped for mulch	Mulch to garden recyclers. Large trunks recycled for timber salvage	To Waste Transfer Station or garden centre that recycles green waste/timber
Bricks	50.0	45	35	20	Full bricks retained and set aside for re-use in new development	Broken bricks stored for collection to crushing	To Waste Transfer Station that recycles building waste
Sand stones	25.0	45	50	5	Full blocks retained and set aside for re-use	Broken blocks sent to collection for crushing at waste transfer station	To Waste Transfer Station that recycles building waste
Concrete	10.0	10	70	20	Reuse for filling, levelling, and road base.	Slabs/footings broken up on site and stored for collection/crushing	To Waste Transfer Station that recycles building waste
Timber Framing	5.0	10	80	10	De-nail useful pieces and set aside for re-use	Unused larger pieces recycled for timber salvage	To Waste Transfer Station for land fill
Timber Cladding	5.0	5	80	15	De-nail useful pieces and set aside for re-use. Timber flooring removed and temporarily stored for re-use	Unused larger pieces recycled for timber salvage	To Waste Transfer Station for land fill
FC Cladding	2.0	0	90	10	Nil. Temporarily stored for collection	Material broken on site and stored separately for collection to crushing	To Waste Transfer Station that recycles FC building waste
Asbestos Sheet	TBD	TBD			Nil. Temporarily stored in accordance with AS, for collection/disposal	Nil.	Removal in accordance with Work Cover requirements to land fill site
Plasterboard	10.0	0	100	0	Nil. Temporarily stored for collection	Binned separately for recycling by Boral Plasterboard	Nil

Roof Sheet	5.0	0	100	0	Nil. Temporarily stored for collection	Nonferrous metals binned separately for recycling	Nil
Roof Tiles	5.0	0	90	10	Full tiles set aside for re-use	Broken tiles set aside for collection to crushing at Waste Transfer Station	To Waste Transfer Station that recycles building waste
Insulation	7.5	0	0	100	Nil. Temporarily stored for collection	Nil	To Waste Transfer Station that recycles building waste
SGW Piping etc	5.0	0	100	0	Nil	Nonferrous metals binned separately for recycling	Nil
PVC Piping	2.0	0	95	5	Nil	Binned separately for recycling	Removal to land fill
Tiles and Pavers	7.5	35	50	15	Full tiles set aside for re-use	Broken tiles stored for collection to crushing to road base at Waste Transfer Station	To Waste Transfer Station that recycles FC building waste
Doors & windows	5.0	0	100	0	Nil	Intact or broken glass to be stored for collection to processing plant. Wooden doors & windows to be set aside for resale.	Nil
Furniture	1.0	0	90	10	Nil	Set aside for resale to second-hand furniture collectors	Removal to landfill
Fixtures & fittings	5.0	20	80	0	Intact & good ones set aside for re-use	Balance sent to second-hand resellers	Nil
Packaging (used pallets, pallet wrap)	10.0	70	30	0	Set aside for re-use	Balance sent to pallets recycling collection	Nil
Containers (cans, plastic, glass)	1.0	30	70	0	Set aside for re-use	Balance sent to recycling collection	Nil
Paper/Cardboard	2.5	50	50	0	Set aside for re-use	Balance sent to recycling collection	Nil
Residual Waste	1.5	0	0	100	Nil	Nil	Removal to landfill

EXCAVATION STAGE

MATERIALS	EST. WASTE (m³)	EST. Reuse (%)	PERCENTAGE		ON SITE RECYCLING	OFF SITE RECYCLING	OFF SITE DISPOSAL
			Recycle (%)	Dispose (%)			
Top Soil	260.0	50	0	50	Top soil stored on site for re-use in landscaped gardens and fill		Balance sent to authorized land fill site
Sand	260.0	30	0	70	Sand stored on site for use as backfill where volumes allow		Balance sent to authorized land fill site
Sandstone	3150.0	20	70	10	Stored on site for re-use as backfill where volumes allow	Large sandstone blocks stored for collection to garden centre (VENOM only)	Small rocks to Waste Transfer Station for land fill

CONSTRUCTION STAGE

MATERIALS	EST. WASTE (m ³)	EST. Reuse (%)	PERCENTAGE		ON SITE RECYCLING	OFF SITE RECYCLING	OFF SITE DISPOSAL
			Recycle (%)	Dispose (%)			
Bricks	25.0	40	50	10	Off-cut bricks retained, crushed and used for drainage fill	Excess broken bricks stored for collection to crushing. Excess full bricks returned to supplier	Excess full bricks refunded/re-sold
Concrete Blocks	10.0	40	50	10	Off-cut blocks retained, crushed and used for drainage fill	Excess broken blocks stored for collection to crushing. Excess full blocks returned to supplier	Excess full blocks refunded/re-sold
Concrete	5.0	100	0	0	Excess concrete poured into moulds on site for garden pavers	Nil	Nil
Metal Framing	2.0	50	45	5	Useful pieces set aside for re-use	Unused large pieces recycled into store by builder or returned to supplier	Excess metal refunded/re-sold or used by builder on another construction site
Metal Cladding	2.0	50	45	5	Useful pieces set aside for re-use	Unused large pieces recycled into store by builder or returned to supplier	Excess metal refunded/re-sold or used by builder on another construction site
FC Cladding	2.0	0	95	5	Nil	Material broken on site and stored separately for collection to crushing. Excess portions returned to supplier	To Waste Transfer Station that recycles FC building waste or Excess cladding refunded/re-sold
Plasterboard	5.0	0	85	15	Nil	Binned separately for recycling by Boral Plasterboard	Excess full sheets refunded/re-sold
Roofing: Gravel	1.0	0	95	5	Excess retained, and used for drainage fill	Nil	Excess refunded/re-sold
Roofing: Steel	50.0	0	90	10	Nil	Smaller off-cuts of nonferrous metals binned separately for recycling. Larger and full sheets returned to supplier for	To Waste Transfer Station that recycles building waste

Insulation	3.0	0	95	5	Nil	re-sale/refund Un-used returned to manufacturer/store by builder	To Waste Transfer Station that recycles building waste
SGW Piping etc.	2.0	0	95	5	Nil	Non ferrous metals binned separately for recycling	
PVC Piping	2.0	0	95	5	Nil	Binned separately for recycling	Removal to land fill site
Tiles and Pavers	1.0	20	80	0	Full tiles set aside for use as spares	Cut tiles stored for collection to crushing to road base at Waste Transfer Station	Nil
Misc. Packaging, Glues etc	5.0	10	90	0	Timber packaging sorted for re-use as above	Pallets returned to supplier to re-use	Nil
Doors & windows	1.0	0	85	15	Nil	Intact or broken items to be stored for collection to recycling plant.	Excess metal refunded/re-sold or used by builder on another construction site
Fixtures & fittings	3.0	0	95	5	Nil	Broken items to be stored for collection to recycling plant.	Intact items refunded/re-sold or used by builder on another construction site
Containers (cans, plastic, glass)	1.0	0	100	0	Nil	Set aside for recycling collection	Nil
Paper/Cardboard	5.0	0	100	0	Nil	Set aside for recycling collection	Nil
Residual Waste	1.0	0	0	100	Nil	Nil	Removal to landfill

IN USE (ON-GOING MANAGEMENT OF WASTE)

General Note

Please refer to the Operational Waste Management Plan Prepared by Elephants Foot Recycling Solutions Pty Ltd. (Report No. S0763 – Revision C).