Appendix A: Waste Management Plan Template

Applicant and Project Details (All Developments)	
Applicant Details	
Application No.	
Name	St Philips Christian College, Gosford
Address	20 Narara Creek Rd, Narara
Phone number(s)	02 43 24 47 44
Email	georgie.strong@spcc.nsw.edu.au
Project Details	
Address of development	20 Narara Creek Rd, Narara
Existing buildings and other structures currently on the site	Typical school campus consisting of admin, amenities and classrooms
Description of proposed development	2 storey isolated complex with integrated classrooms
This development achieves the waste objectives set out in the DCP. The details on this form are the provisions and intentions for minimising waste relating to this project. All records demonstrating lawful disposal of waste will be retained and kept readily accessible for inspection by regulatory authorities such as council, OEH or WorkCover NSW.	
Contact Name (in Block Letters)	Joel Price
Signature	
Date	17/9/2015

Demolition (All Types of Developments) NEW BUILDING MINIMAL DEMOLITION

Address of development: 20 NARARA CREEK RD, NARARA

Refer to Section 7.2.13 of the DCP for objectives regarding demolition waste.

most favourable ← least favourable

	Reuse	Recycling	Disposal	
Type of waste generated	Estimate Volume (m3) or Weight (t)	Estimate Volume (m3) or Weight (t)	Estimate Volume (m3) or Weight (t)	Specify method of on site reuse, contractor and recycling outlet and /or waste depot to be used
Excavation material	0	0	0	N/A
Timber (specify)	0	0	0	N/A
Concrete	0	10m3	0	See Management Plan
Bricks/pavers	0	0	0	N/A
Tiles	0	0	0	N/A
Metal (specify)	0	0	0	N/A
Glass	0	0	0	N/A
Furniture	0	0	0	N/A
Fixtures and fittings	0	0	0	N/A
Floor coverings	0	0	0	N/A
Packaging (used pallets, pallet wrap)	0	0	0	N/A
Garden organics	0	0	0	N/A
Containers (cans, plastic, glass)	0	0	0	N/A
Paper/cardboard	0	0	0	N/A
Residual waste	0	0.1m3	0.1m3	See Management Plan
Hazardous/special waste e.g. asbestos (specify)	0	0	0	N/A
Other (specify)	0	0	0	N/A

Construction (All Types of Developments)

Address of development: 20 NARARA CREEK RD, NARARA

Refer to Section 7.2.14 of the DCP for objectives regarding construction

most favourable ← least favourable

	Reuse	Recycling	Disposal	
Type of waste generated	Estimate Volume (m3) or Weight (t)	Estimate Volume (m3) or Weight (t)	Estimate Volume (m3) or Weight (t)	Specify method of on site reuse, contractor and recycling outlet and/or waste depot to be used
Excavation material	30m3	0	0	Cut and fill Civil works will mean no terra-firma leaves site. All removed strata to be reused and compacted to form level pad at lower height.
Timber (specify)	0	2m3	2m3	Scant timbers to be disposed of in general waste bins, sorted and recycled at Economy Waste depot as per their attached Management Plan.
Concrete	0	10m3	0	Minimal concrete waste will go into designated bins and recycled through Economy Waste depot as per their attached Management Plan.
Bricks	0	0	0	N/A
Tiles	0	0.2m3	0	Minor offcuts only. Disposed of through Economy Waste depot as per their attached Management Plan.
Metal (specify)	0	6m3	0	Reinforcement offcuts to go into designated bin and recycled through Economy Waste as per their attached Management Plan.
Glass	0	0.2m3	0	Minimal. Possible glass bottles from subcontractors only. Disposed through Economy Waste depot as per tattached Management Plan.
Plasterboard (offcuts)	0	2m3	2m3	Minor offcuts only. Disposed of through Economy Waste depot as per their attached Management Plan.
Fixtures and fittings	0	0	0	N/A
Floor coverings	0	0	2m3	Minor offcuts only. Disposed of through Economy Waste depot as per their attached Management Plan.
Packaging (used pallets, pallet wrap)	6m3	0	0.5m3	Pallets collected by third party for reuse. Packaging disposed of through Economy Waste depot as per their attached Management Plan.
Garden organics	0	0	0	N/A
Containers (cans, plastic, glass)	0	2m3	0.2m3	Minimal food scraps only. Disposed of through Economy Waste depot as per their attached Management Plan.
Paper/cardboard	0	6m3	0.5m3	Mainly fixtures packaging. To be sorted in cardboard bins and recycled by Economy Waste as per their attached Management Plan.
Residual waste	0	0	6m3	Minimal food scraps only. Disposed of through Economy Waste depot as per their attached Management Plan.
Hazardous/special waste (specify)	0	0	0	N/A

Ongoing Operation (Residential, Multi Unit, Commercial, Mixed Use and Industrial)

Address of development: ST PHILIPS CHRISTIAN COLLEGE, GOSFORD 20 NARARA CREEK ROAD, NARARA

Show the total volume of waste expected to be generated by the development and the associated waste storage requirements.

	Recyclables		Compostables	Residual waste*	Other
	Paper/ cardboard	Metals/ plastics/glass			
Amount generated (L per unit per day)	24	–	120		
Amount generated (L per development per week)					
Any reduction due to compacting equipment	0	–	0		
Frequency of collections (per week)	0.5	–	2		
Number and size of storage bins required	$1 \times 3m^3$	–	$1 \times 3m^3$		
Floor area required for storage bins (m2)	$2.5m^2$	–	$2.5m^2$		
Floor area required for manoeuvrability (m2)	$4.0m^2$	–	$4.0m^2$		
Height required for manoeuvrability (m)	NA	–	NA		

* Current "non-recyclables" waste generation rates typically include food waste that might be further separated for composting.

Construction Design (All Types of Developments)
Outline how measures for waste avoidance have been incorporated into the design, material purchasing and construction techniques of the development (refer to Section ~~3.2~~ 7.2.14 of the DCP):
Materials
The structure is to be constructed out of heavy weight materials including insitu concrete flooring and structural steel to maximise expected lifespan of the building. The use of off site prefabrication for steelwork, joinery and metalworks ensures to minimise on-site waste while insitu concrete floors to both levels eliminates off cuts and wastage experienced in timber flooring systems and offcuts of reinforcement are recycled. Carpets are also specified as direct stick tiles, eliminating waste typical to rolled carpets and underlays. The development is to be constructed in accordance to Section J requirements for energy efficiency including the use of thermal insulation to floors, walls and roofs. Mechanical Air Conditioning system utilise late model, energy efficient condensers and components to reduce electricity consumption. Rainwater reuse systems minimise the impact on local reservoirs and reduce impact from rainwater run off and stormwater to local causeways during major storm events. Electrical fittings and fixtures are of low voltage specifications, timers, photoelectric cells and utilising fluorescent and LED luminaires where possible to reduce demand on electrical infrastructures and power generation.

Detail the appropriate needs for the ongoing use of waste facilities including the transfer of waste between the residents or tenancy units, the servicing of waste location and frequency of waste transfer and collection. If truck access is required then engineering details are required.
EXISTING COLLEGE WASTE DISPOSAL SYSTEM TO BE RETAINED WITH NO CHANGE RESULTING FROM THE PROPOSAL.

Plans and Drawings (All Developments)

The following checklists are designed to help ensure WMP are accompanied by sufficient information to allow assessment of the application.

Drawings are to be submitted to scale, clearly indicating the location of and provisions for the storage and collection of waste and recyclables during:

- demolition
- construction
- ongoing operation.

Demolition

Refer to Section 7.2.13 of the chapter for specific objectives and measures.
Do the site plans detail/indicate:

	Tick Yes
Size and location(s) of waste storage area(s)	☑
Access for waste collection vehicles	☑
Areas to be excavated	☑
Types and numbers of storage bins likely to be required	☑
Signage required to facilitate correct use of storage facilities	☑

Construction

Refer to Section 7.2.15 – 7.2.19 of the chapter for specific objectives and measures.
Do the site plans detail/indicate:

	Tick Yes
Size and location(s) of waste storage area(s)	☑
Access for waste collection vehicles	☑
Areas to be excavated	☑
Types and numbers of storage bins likely to be required	☑
Signage required to facilitate correct use of storage facilities	☑

Ongoing Operation

NO CHANGE TO EXISTING WASTE DISPOSAL SYSTEM RESULTING FROM THE PROPOSAL

Refer to Section 7.2.15 – 7.2.19 of the chapter for specific objectives and measures.
Do the site plans detail/indicate:

	Tick Yes
Space	
Size and location(s) of waste storage areas	
Recycling bins placed next to residual waste bins	
Space provided for access to and the manoeuvring of bins/equipment	
Any additional facilities	
Access	
Access route(s) to deposit waste in storage room/area	
Access route(s) to collect waste from storage room/area	
Bin carting grade not to exceed 10% and travel distance not greater than 100m in length	
Location of final collection point	
Clearance, geometric design and strength of internal access driveways and roads	
Direction of traffic flow for internal access driveways and roads	
Amenity	
Aesthetic design of waste storage areas, including being compatible with the main building/s and adequately screened and visually unobtrusive from the street	
Signage – type and location	
Construction details of storage rooms/areas (including floor, walls, doors, ceiling design, sewer connection, lighting, ventilation, security, wash down provisions, cross & longitudinal section showing clear internal dimensions between engaged piers and other obstructions, etc)	