

SITE WASTE MANAGEMENT PLAN (SWMP)

# Roseville College Sport & Wellbeing Centre

[27 – 29, 37 Bancroft Avenue, Roseville]



E-PLAN-01 (Rev. July 2021) | Amended by: JT



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## 1. INTRODUCTION

### 1.1 PROJECT INFORMATION TABLE

PROJECT INFORMATION TABLE			
Project name	Roseville College – Sport & Wellbeing Centre		
Location	27 – 29, 37 Bancroft Avenue Roseville		
Client	EPM		
Duration of contract	21 months		
Taylor Contact Information			
Company name	Taylor Construction Group Pty Ltd		
ABN	25 067 428 344		
Address	Level 13, 157 Walker Street, North Sydney 2060		
Telephone and fax	Ph.: 02 8736 9000 Fax: 02 8736 9090		
POSITION	CONTACT NAME	PHONE NUMBERS	
Chief Executive Officer	George Bardas	02 8736 9000	
General manager	Ben Folkard	02 8736 9000	
Operations manager	-		
Senior project manager	Dean Fondas	02 8736 9000	
Project manager	Fred Sedighi	0431 070 846	
Site manager	TBA		
Foreman	TBA		
HSE manager	Andrew Andreou	02 8736 9000	
Safety advisor	TBA		
Quality manager	Stephen Player	02 8736 9000	
Contract manager	-		
Contract administrator	TBA		
Project coordinator	-		
Site engineer	TBA		
Cadet	TBA		
DOCUMENT CONTROL	NAME & POSITION	SIGNATURE & DATE	
Prepared by : Jason Tulich	Project Manager		
Reviewed by : Dean Fondas	Senior Project Manager		
REVISED BY	REV. No.	DATE	CHANGES MADE

## 1.2 PROJECT OVERVIEW AND SITE DESCRIPTION

The Roseville College SWELL Centre project generally involves:

- Demolition of outdoor sports courts at 27-29 Bancroft Avenue;
- Demolition of a dwelling, ancillary structures and hardstand areas at 37 Bancroft Avenue;
- Tree removal and excavation works;
- Construction of a three-storey building, comprising:
  - 48 basement car parking spaces;
  - eight-lane swimming pool, associated concourse and grandstand;
  - gymnasium;
  - food technology space;
  - general learning areas;
  - change facilities, amenities and storage;
  - mechanical plant, on-site detention, filtration plant and chemical store; and
  - rooftop multi-purpose sports courts.
- landscaping; and
- signage.

The site is located on 29 and 37 Bancroft Avenue, Roseville:



## 1.3 PURPOSE OF THE SITE WASTE MANAGEMENT PLAN

Taylor Construction Group is committed to improving sustainability on all of its projects: we aim to reduce the environmental impact of our operations and enable the integration of sustainability principles and practices to all activities carried out on site. Our goal on this project is to maximise the re-use of waste products, therefore minimizing the amount of waste going to landfill. The Site Waste Management Plan (SWMP) incorporates the processes that will assist the project team in achieving this goal, whilst providing the necessary means to ensure waste management is efficient, cost-effective and compliant to NSW waste regulations.

**The plan addresses Condition B16 of SSD-9912 and includes information/requirements pertaining (but not limited) to the following elements:**

- (a) the recording of quantities, classification (for materials to be removed) and validation (for materials to remain) of each type of waste generated during construction and proposed use;
- (b) information regarding the recycling and disposal locations; and
- (c) confirmation of the contamination status of the development areas of the site based on the validation results.

## 2. WASTE MANAGEMENT RESPONSIBILITIES

The site manager is the SWMP coordinator of the project and, as such, is responsible for ensuring the instruction of workers and for implementing and overseeing the SWMP.

The site manager will monitor the effectiveness and accuracy of the SWMP during the routine site visits. Independent audits will also be completed by the HSE manager via site inspections. Copies of these reports will be forwarded to the HSE manager for monitoring.

## 3. DISTRIBUTION

This SWMP will be communicated to the whole project team by the project manager, who shall also distribute copies to the relevant authorities, client, project/ site manager and each subcontractor where relevant/ applicable. This will be undertaken every time the plan is updated.

## 4. INSTRUCTION AND TRAINING

The site manager shall provide on-site briefing via induction of appropriate separation, handling, recycling, re-use and return methods to be adopted by all parties and at appropriate stages of the project. Toolbox talks will be carried out regularly on waste issues and all subcontractors will be expected to attend. These toolbox talks are aimed at providing employees and subcontractors with the necessary information and instruction regarding waste management so that they understand the importance of the role they play and feel motivated to work together toward the same goals.

## 5. WASTE MANAGEMENT ON SITE

### 5.1 CATEGORIES

Waste materials fall into four categories for management. These are:

1. **Reuse.** If surplus materials can be used in future operations, they are classified as materials that can be reused.
2. **Recycling.** If surplus materials cannot be reused in their present form, they will be sent to recycling.
3. **Residual waste.** Residual waste can come in several forms, including waste that cannot be disposed of due to their nature (i.e. metals, contaminated waste), unused machinery, spare parts or discarded parts.
4. **Landfill.** If the above options cannot be satisfied, materials will be sent to landfill. The project team must make all the necessary efforts to reuse and recycle materials generated on site. **Landfill must be avoided and will only be used as a last resort.**

### 5.2 WASTE REGULATIONS IN NSW

Acts and regulations govern waste management in NSW. According to EPA, those who handle, store, transport, process, recycle and dispose of waste must follow these rules to minimize harm to human health and to the environment. The waste legislation in NSW is as follows:

**Protection of the Environment Operations Act 1997.** It is the principal environmental protection legislation for NSW. The act:

- Defines 'waste' for regulatory purposes;
- Establishes management and licensing requirements for waste;
- Defines offences relating to waste and sets penalties;
- Establishes the ability to set various waste management requirements via the Protection of the Environment Operations (Waste) Regulation 2014 (Waste Regulation).

**Protection of the Environment Operations (Waste) Regulation 2014.** The Waste Regulation allows the EPA to protect human health and the environment and provides a platform for a modern and fair waste industry. It includes strict thresholds for environment protection licenses and outlines the waste levy system.

**Waste Avoidance and Resource Recovery Act 2001.** The Waste Avoidance and Resource Recovery Act 2001 (WARR Act) promotes waste reduction and better use of our resources in NSW. It includes provisions for waste strategies and programs and for industry actions to reduce waste.

## 5.3 WAYS OF MINIMISING WASTE

Daily activities on this project will generate a wide range of residues such as general waste, obsolete infrastructure and/ or contaminated/ hazardous materials. With a view to maximizing waste management, the following waste hierarchy principles must be followed:

### 1. Reduce

Minimise waste production and over-consumption of materials by:

- Incorporating design and building practices that minimise waste production;
- Not over-ordering products or materials;
- Specifying project requirements and planning ahead to avoid over-consumption of products and materials;
- Minimising rework from errors and poor workmanship;
- Ensuring storage areas are safe and secure;
- Arranging deliveries to match work stages to avoid materials being stored on site longer than necessary.

### 2. Reuse

Wherever possible, reuse surplus or salvaged materials on site, off-site or on other projects:

- Establish a system whereby all products that can be reused (for the same purpose or for a new one) are identified and stored;
- Repair items so they can be reused or returned to the supplier.

### 3. Recycle

All materials that can be recycled must be separated and sent to a recycling facility.

## 5.3.1 ACTIONS TABLE

Actions for minimising waste will be updated into the following table:

Current actions table		
Action	Responsibility	Notified on
Have rubbish bins around site to dispose waste etc	Bingo / Taylor	

## 5.4 DISPOSAL OF HAZARDOUS WASTES

Safe Work & Environments have prepared an Asbestos Register for 37 Bancroft Avenue, Roseville dated 3<sup>rd</sup> February'22, which confirms the presence of asbestos within the existing dwelling and ancillary shed that is to be demolished. The ACM has been described as fibre cement sheeting that is located to the Shed and the mounting board of the Dwelling Electrical Fuse Box. All hazardous or dangerous materials found or to be used during the demolition and construction phases must be handled and disposed of by competent persons only, in accordance with the EPA NSW guidelines. These materials can include:

- Dangerous or hazardous liquids;
- Asbestos waste;
- Waste lead acid batteries;
- Contaminated soil;
- Fluorescent tubes and HID lamps, etc.

## 5.5 SITE WASTE MANAGEMENT PLAN CHECKLIST

Item description	Yes	No
Have the recycling and waste contractors been identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Have terms and commercial rates been agreed with contractors?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Has each material to be used on site been identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Have all hazardous and toxic materials (e.g. asbestos) been identified and do they comply with SafeWork NSW requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
For off-site or disposal, have all the waste destination details been verified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Has a waste segregation/ collection area been prepared?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Has the waste area been adequately signposted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Has the quantity of general waste to be produced on site been estimated? Is this estimation realistic?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Has the person responsible ensured not to over order on materials?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Has the SWMP been approved by the project manager?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is returning waste to the supplier an option (e.g. plasterboard)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Has the SWMP document control/ filing system been set up (site safety pack)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Has the SWMP been communicated to the whole team and to the contractors?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Have all the SWMP training/ induction procedures for staff been met?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Have all the SWMP training/ induction procedures for contractors been met?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Comments/ further actions</b>		
Note: some items are required to be completed once established on site.		

## 5.6 WASTE CLASSIFICATION, QUANTITIES AND MANAGEMENT PRACTICES

A specific area shall be laid out and labelled to facilitate the separation of materials for potential recycling, salvage, reuse and return. Recycling and waste bins are to be kept clean and clearly marked in order to avoid contamination of materials.

Monitoring must take place to ensure contamination of segregated skips does not occur. The type of surplus materials being produced must be continually reviewed and site set-up modified where possible to maximise reuse and recycling. The use of landfill will be the last resort.

Waste classification, quantities and management practices					
Waste type	Classification	Waste stream	Quantity (approx.)	Waste destination	Contractor
Asbestos	Hazardous waste (special waste)	Dispose	12m2	Removed prior to the demolition works by a Class A or Class B licenced asbestos removal contractor and taken to a Licensed landfill	Facilities TBA upon appointment of sub-contractor.
Batteries (lead-acid/nickel-cadmium)	Hazardous waste			N/A	
Bricks/blocks	General waste (non-putrescible)	Re-use	40m3	Bricks to be stockpiled & re-used where possible. If taken off-site, acceptable quality bricks to be collected by a contractor and sold for reuse. Unusable bricks to be collected and recycled at an appropriate facility.	Facilities TBA upon appointment of sub-contractor. No disposal to landfill.
Cardboard	General waste (non-putrescible)	Recycle		N/A	
Concrete – Demolition	General waste (non-putrescible)	Re-use	40m3	Separated on site and crushed for use in pavement and/or temporary access road construction where possible. If taken off-site, collected by contractor & disposed at concrete recycling facility	Facilities TBA upon appointment of sub-contractor. No disposal to landfill.
Concrete - Construction			15m3		
Containers of dangerous goods	Hazardous waste			N/A	
General waste, including food – Demolition	General waste (putrescible)	Recycle/ Disposal	24m3	Separated onsite into dedicated receptacles. Collected by subcontractor for recycling. Collected and disposed to landfill.	Facilities TBA upon appointment of sub-contractor.
General Waste - Construction			110m3		
Metals – Demolition	General waste (non-putrescible)	Re-use, recycle	15m3	Collected by specialist metal subcontractor for recycling	Facilities TBA upon appointment of sub-contractor. No disposal to landfill.
Metals - Construction		Recycle	20m3	Can't be reused. Collected by specialist metal subcontractor for recycling.	



Mortar	General waste (non-putrescible)			Waste bins provided by BINGO	Bingo
Pallets	General waste (non-putrescible)			Contractors dispose own pallets	All contractors
Paper	General waste (non-putrescible)	Recycle		Shrex Bin (recycled)	Shdrex Bin
Plasterboard – Demolition	General waste (non-putrescible)	Recycle	20m3	Collected by the waste subcontractor as required for recycling.	Facilities TBA upon appointment of sub-contractor.
Plasterboard - Construct		Reuse	5m3	Unused material taken back by supplier for reuse where possible. Material to be separated & stockpiled.	
Plastics - Demolition	General waste (non-putrescible)	Recycle	6m3	Collected by the waste subcontractor as required for recycling.	Facilities TBA upon appointment of sub-contractor.
Plastics - Construction			30m3		
Sanitary products	General waste (putrescible)			Waste bins provided by BINGO	Bingo
Excavated Material		Re-use	100m3	Will either be stockpiled for use during construction if required and if not disposed off-site. If disposed off-site, collected, and used as clean fill by the appointed contractor and/or forwarded to various facilities such as garden landscapers, or roadworks.	Facilities TBA upon appointment of sub-contractor.
Subsoil (clean)				N/A	
Subsoil (hazardous)				N/A	
Timber – Demolition		Recycle	35m3	Recyclable timber (untreated) will be collected and recycled at appropriate timber yard. Unrecyclable timber will be disposed at landfill.  Separated & where feasible, reused for further formwork. Unused material to be collected by specialist timber subcontractor for recycling.	Facilities TBA upon appointment of sub-contractor.
Timber - Construction		Reuse/ Recycle	35m3		
Trees/ plants				N/A	
Tiles		Recycle	25m3	Can't be reused on-site. Collected by contractor & dispose at recycling facility	Facilities TBA upon appointment of sub-contractor. No disposal to landfill.
Glazing – Demolition		Recycle	5m3	Can't be reused on-site. Recyclers consulted as to potential for recycling & if suitable separated for recycling.	Facilities TBA upon appointment of sub-contractor. No disposal to landfill.
Glazing - Construction			1m3		

Green Waste		Reuse	65m3	Where possible green waste material will remain on-site & be reused in landscape areas	Facilities TBA upon appointment of sub-contractor. No disposal to landfill.
Mixed Recyclables – Demolition		Recycle	9m3	Separated onsite into dedicated receptacles. Collected by subcontractor for recycling	Facilities TBA upon appointment of sub-contractor. No disposal to landfill.
Mixed Recyclables - Construction			55m3		
Carpet		Reuse/ recycle /dispose	5m3	Provided as spares to the Client or if not required on-site, collected for recycling if of the required quality or disposal to landfill	College Storage Or Facilities TBA upon appointment of sub-contractor.
Soil/Sand/ Gravel		Reuse	10m3	Stockpile for reuse by Contractor	

## 6. RELEVANT SIGNATURES

Project Manager – Jason Tulich		Date	22/07/2022
Senior Project Manager - Dean Fondas		Date	27/07/2022