

Project Resource Management Plan

for

Steyning Grammar School

Project Number HLNXX.0299

Rev No 0 Dated 06.02.26

Prepared by D. Packham Date 06.02.26

Approved by D. Brenchley Date

Project Sustainability Manager

Subsequent revisions of this RMP will be distributed to all listed recipients.

Internal Distribution

The complete CEMP shall be distributed to the following:

Project Team, Regional Sustainability Advisor, Sustainability Manager

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Revision Record

Rev	Date	Revision Details	Revised by
0	06.02.26	Draft for Planning	

**This plan must be available to everyone on site upon request.
Site waste management plan requirements are included in this document.**

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1.0 Introduction

All sites are to use natural resources responsibly to reduce their impact on the environment. This includes all materials, energy and water. This construction phase Resource Management Plan describes the specific project measures that are not already documented in the environmental management system regarding resource use and waste management.

Smart Waste will be used throughout the project to monitor and report performance against estimates.

This completed document also includes content required to make it a legally compliant Site Waste Management Plan where applicable. It can also be submitted with the resource management procedure as evidence to support BREEAM credit Wst01 Resource Efficiency.

1.1 Project Particulars and Responsibilities

Project Title:

Steyping Grammar School

Project No:

HLN. 0299 / SRP1121

Site Address:

Steyping Grammar School
Horsham Road,
Steyping
West Sussex

Telephone:

TBC site phone

Email:

dbrenchley@bam.com

Project Description:

Rebuilding programme for secondary school replacement buildings. Scheme involves Archaeology trenching, General groundworks, Services Diversions, Deep GSHP boreholes, Ground improvement techniques with Stone Vibro or CMC's, Attenuation and Rainwater harvesting tanks, New Steel Frame and PC plank and PC lift shafts, SFS Infill Panels, Brickwork and Fenestration, External Works, Asbestos Surveying, Asbestos



Stripping, Demolition, and External specialist sports areas.

Form of Contract:

JCT - DfE Bespoke design and build CF21 Framework

Additional Project Details	
Project Manager	Alan Newland
Project Sustainability Manager	Leanna Martin
Hazardous Waste Premises Code (Wales)	N/A
Hazardous Waste Premises Code Expiry Date (Wales)	N/A
Standard Industry Classification (SIC) Code	41.20/1
Client	Steyning Grammar School
Architect (or other)	KSS

1.2 Legal declaration

The Client and Principal Contractor will take all reasonable steps to ensure that all waste from this site is dealt with in accordance with Section 34 of the Environmental Protection Act 1990 (Duty of Care), The Waste (England & Wales) Regulations 2011, The Environmental Protection (Duty of Care) (Scotland) Regulations 2014, and that all materials will be handled efficiently, and waste managed appropriately.

This plan is to be reviewed quarterly and updated where necessary to accurately reflect the progress of the project. A review of the project will also be carried out within 3 months of completion to compare the estimated quantities of resources used to actual consumption and estimate any cost savings.

1.3 Project Action Plan and Targets

Environmental targets have been set and are detailed in the Construction Environmental Management Plan.

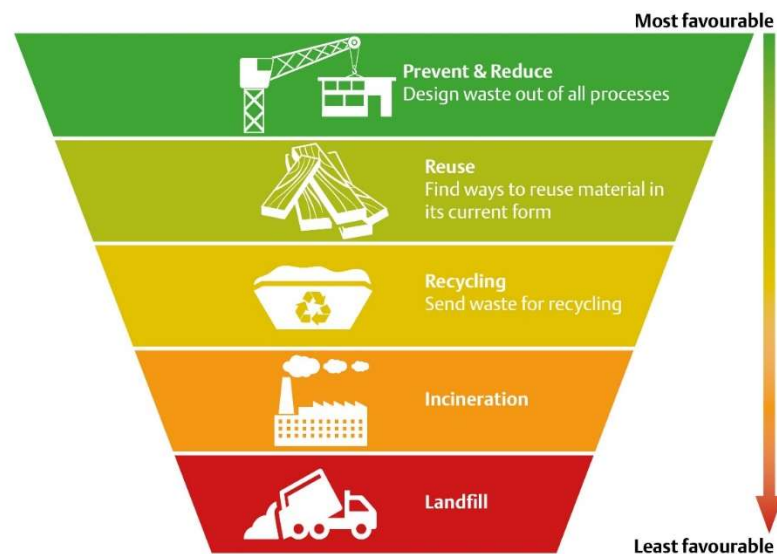
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- Construction waste production (excluding demolition and excavation waste) of less than 26 tonnes / 100m²
- At least 70% by volume (80% by tonnage) of non-hazardous construction waste (excludes demolition and excavation waste) generated by the project will be diverted from landfill
- At least 80% by volume (90% by tonnage) of non-hazardous demolition waste generated by the project will be diverted from landfill

2.0 Resource Efficiency

2.1 Reducing material consumption during construction

The management of materials on this site should ensure that materials consumption is reduced and the production of waste material during the construction phase is avoided wherever possible. This will be possible by following prevention, reduction and reuse measures outlined below. BAM operate a process for the Treatment of Unused Materials and Equipment, which facilitates the use of unused materials and equipment by employees. Only where these routes have been exhausted should waste be sent for disposal.



In addition to the standard control measures in Environmental Operating Procedure: Resource Efficiency, the following Site-specific measures will be / have been employed to reduce waste production on this site:

Waste type / Subcontract Package	Waste management measure (prevention, reduction, reuse and recycling)
Design / Off-site	Standardisation of components so parts can be manufactured in consistent dimensions with minimal waste. Modular design to reduce on-site alterations and waste from re-work. Specify recyclable or reusable materials at concept design stage.
General construction waste measures	Segregated bins used where relevant. Ensure all bins and skips are appropriately labelled. Precast elements ie cladding
Excavated Material (Soil & Stones) / Groundworks	
Hardcore / Bricks / Blocks	Hardcore to be taken off site for re-use crushing on site is unfeasible due to space restrictions.
Timber (includes pallets)	Reuse timber across projects where possible. Pallets to be returned by sub-contractors for reuse.

Waste type / Subcontract Package	Waste management measure (prevention, reduction, reuse and recycling)
Packaging	Contact suppliers through subcontractor orders to reduce quantities. Option for materials to be delivered without single use packaging to be discussed with individual contractors where relevant.
Gypsum Based Materials (Inc Plasterboard)	Plasterboard to be stored in a dry place and loaded to areas with the exact quantity required, reducing the risk of board being damaged through constant movement. The option to purchase boards in bespoke sizes (floor to ceiling) will be discussed with the drylining contractor once appointed, reducing the volume of offcuts.
Metals	Separate metal skips. Minimise metal use through design optimisation.
Plastic	Single use plastic to be eliminated in the canteen. See above for detail on plastic packaging.
Glass	Glass to be stored in a location that will ensure material movements are minimised, avoiding damage during transportation. Minimise breakage on site to reduce quantities

2.2 Reducing energy use during construction

In addition to the standard control measures contained in Environmental Operating Procedure: Resource Efficiency the following Site-specific measures will be employed to reduce energy consumption on this site:

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Closed loop commissioning to be reviewed.

- Rainwater will be collected and reused on site wherever feasible.
- Due to the presence of high alumina cement which cannot be wet for long period of time water use will be limited in demolition phases.

The option to install a mains electric shut off switch will be reviewed. This will be installed to enable all power (excluding emergency lighting) to be switched off when the site is not in use.

- Site, project welfare and project office to be metered separately.
- Metering will be provided to all area of site that are anticipated to have a high energy consumption (to be reviewed on a case-by-case basis).
- Energy efficient equipment to be prioritised where feasible.
- LEDs to be used for all temporary lighting requirement. Sensored (microwave) lights

2.3 Reducing water use during construction

In addition to the standard control measures contained in Environmental Operating Procedure: Resource Efficiency the following Site-specific measures will be employed to reduce water consumption on this site

Consider implementing a project water management plan

Area	Water Efficiency Control Measures implemented. Explanation of activity, any notes including if energy efficiency item is not chosen, and the reasoning.	Water Impact If known, reduction in water use of this activity
1. Rainwater harvesting	· Rainwater will be collected and reused on site wherever feasible	
2. Cabins Low flow fittings	Water blades to be fitted to taps	
3. Consistent monthly monitoring	Project Sustainability Manager to nominate a water champion to monitor automated meter readings or photographs of reading taken monthly to avoid unnecessary use, and upload to Smart Waste.	
4. Automatic shutoff	Implementation of water management system that will shut off supply in the event of a suspected leak	
5.		

3.0 Waste Management

3.1 Waste Forecast Types & Quantities of Waste

From historical data, it is estimated that this site will produce the following types and quantities of waste.

Project Name	Steyning Grammar School	Project Number	HLNXX.0299	Completed by	D. Packham	Error! Reference source not found.
Copyright 2020 © BAM Construction Document uncontrolled when printed Page 10 of 16	Asset Creator (Responsible) EMS	Expert Forum (Accountable) Sustainability	Process Risk: Impact to Business of Failure High	Process Risk: Probability of Process Failure High	Stage Gate Requirement No	Livelihood Location To Be Confirmed



Project Resource Management Plan

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08/10/2024

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BMSOCN-
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Revision
0

Types & Quantities of Waste (cont.)

Estimated Contract Value (in £Millions):		95	£Million	BREEAM Target 26 tonnes/100m²		GIFA (m²)	17565.4
Source & Type of Waste	EWC Code	Approx %	Target Quantity of Waste (tonnes)			Actual Quantity of Waste (tonnes)	
Excavation Waste (From Bill)							
Hazardous Excavated Material	17 05 03*		tonnes			tonnes	
Non-hazardous Excavated Material	17 05 04		tonnes			tonnes	
Inert Excavated Material	17 05 04		tonnes			tonnes	
Bituminous Mixtures (no coal tar)	17 03 02		tonnes			tonnes	
Mixed Hardcore	17 01 07		tonnes			tonnes	
Construction (Skip) Waste							
Approx. tonnes of waste / £1million			26 tonnes/ £1m			tonnes/ £1m	
Mixed Packaging	15 01 06	17%	420 tonnes			tonnes	
Mixed Hardcore	17 01 07	8%	198 tonnes			tonnes	
Timber	17 02 01	22%	543 tonnes			tonnes	
Mixed Metals	17 04 07	5%	124 tonnes			tonnes	
Insulation Materials (Non Haz)	17 06 04	5%	124 tonnes			tonnes	
Gypsum Based Materials	17 08 02	6%	148 tonnes			tonnes	
Municipal Waste (Paper & Card)	20 01 01	1%	25 tonnes			tonnes	
Municipal Waste (Plastic)	20 01 39	1%	25 tonnes			tonnes	
Other Mixed Construction Waste	17 09 04	26%	642 tonnes			tonnes	
Mixed Municipal Waste	20 03 01	7%	173 tonnes			tonnes	
Other Waste	Various^	1%	25 tonnes			tonnes	
Hazardous Construction Waste	Various	1%	25 tonnes			tonnes	
Demolition Waste¹ (From Demolition Co.)							
Mixed Hardcore	17 01 07		tonnes			tonnes	
Timber	17 02 01		tonnes			tonnes	
Mixed Metals	17 04 07		tonnes			tonnes	
Insulation Materials (Non Haz)	17 06 04		tonnes			tonnes	
Gypsum Based Materials	17 08 02		tonnes			tonnes	
Other Mixed Demolition Waste	17 09 04		tonnes			tonnes	
Other Waste	Various		tonnes			tonnes	
Hazardous Waste	Various		tonnes			tonnes	
Total Estimated Quantity of Waste			2472 tonnes			0 tonnes	

^ Note other waste includes, 16 02 Electrical, 17 01 01 Binders, 17 02 03 Plastics, 20 03 07 Furniture, Liquids, Floor coverings, Architectural features and any other waste not otherwise listed

¹ Information from the pre-demolition audit should be obtained for BREEAM Wst 01 compliance where applicable. Guidelines for a pre-demolition audit are available to download from the BREEAM page of the intranet.

3.2 Recycle/Recover Measures

Review information on nationwide material reuse schemes that BAM are developing before project commencement.

The following waste streams are to be segregated for recycling/recovery off site:

Inert waste (17 01 01, 17 01 02, 17 01 03, and 17 01 07) removed off site by the inert waste disposal contractor for onward recycling.

Take back schemes such as pallets, correx, insulation and gypsum products etc where feasible will be developed.

All other waste (**with the exception of hazardous waste**) is to be deposited in the Mixed Waste skips (17 09 04) provided by the mixed waste disposal contractor for removal to their transfer station for further segregation and onward recycling.

3.3 Disposal Responsibilities

Non-hazardous waste from all other subcontractors is to be segregated where required and deposited in the appropriate skip/bin as detailed above. Canteen and office waste, which cannot be segregated into the above, is to be placed in the covered 660 litre bin for disposal off site.

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3.4 Management of Hazardous Waste

Hazardous waste produced by BAM is to be placed in the correct Hazardous waste receptacle, as identified by orange signage, for disposal by relevant companies. The Project Sustainability Manager will check each item of waste prior to collection to confirm whether the waste is hazardous, and wherever possible render it non-hazardous for removal in general waste skips.

Hazardous waste produced by subcontractors is to be removed off site by the subcontractor in accordance with the hazardous waste regulations. Their procedure for complying with these regulations, including details of carriers and disposers, is to be submitted to BAM for inclusion within the Resource Management Plan prior to removal.

Project specific hazardous waste management (add any further actions as appropriate, such as specific location of storage area or if there are any 'key holders' for padlocks)

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3.5 Waste Carriers and Disposers

A list of the hazardous and non-hazardous Waste Carriers and Disposal sites can be found on Smart Waste along with copies of licences.

4.0 Records

A record of all waste removed from this site is held on the Smart Waste

Information about waste diversion will be obtained where possible from waste management contractors that have PAS402 certification. In locations where a PAS402 certified company is unavailable the EA/SEPA/NRW Waste Return Forms will be used.

All fuel and timber delivery tickets are uploaded on to Smart Waste

Electricity and gas AMR meter data / invoices are uploaded on to Smart Waste

Evidence of water meter readings are uploaded on to Smart Waste

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5.0 Project Review

This section of the plan should be populated with information as the project progresses in order to keep a log of project successes and lessons learned with respect to resource efficiency. There should be sufficient information to consider during the Post Contract Review.

5.1 Comparison of Estimated and Actual Quantities

Section 3 contains a table which will enable a comparison of estimated quantities of waste against actual.

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Appendix 1 – Roles and Responsibilities

The Project Manager for the Principal Contractor will:	• Ensure the RMP for the construction phase is produced, and distributed to all staff and subcontractors • Within three months of the project completion: ○ confirm that the plan has been monitored on a regular basis ○ provide a comparison of estimated quantities with actual ○ provide an explanation of any deviation from the plan ○ provide an estimate of the cost saving that have been achieved • Keep a copy of the RMP for a minimum of two years after project completion
The Project Sustainability Manager for the Principal Contractor will:	• Prior to works starting on site, produce the construction phase RMP using the BAM template • Keep a copy of the RMP on site, and provide everyone on site with access to the plan • Review the plan quarterly, and update where necessary to accurately reflect the progress of the project • Ensure that energy, fuel and timber use is recorded on Smart Waste, • When any waste is removed from the site, ensure the following waste data is recorded within Smart Waste. ○ the identity of the organisation removing the waste ○ a description of the waste, including the 6 figure EWC code ○ the site where the waste is being taken to ○ the quantity of the waste, and whether this was reused on site, taken for reuse at an exempt site or standard permit site, taken to a transfer station for segregation and onward recycling, taken to a dedicated recycling facility, or sent to a landfill site
The Regional Sustainability Advisor for the Principal Contractor will:	• Ensure details of all Waste Carrier Registration numbers, Environmental Permit numbers, and Exemption references, for the carriers and disposal sites used within the region, are checked and recorded on Smart Waste. • On a quarterly basis, ensure details of recycling figures for the transfer stations used within the region are obtained and entered onto Smart Waste, • Make recommendations to update this plan if non-standard control measures are noted, which have not already been included in the plan.