

**MAPLEFIELDS SCHOOL, CORBY
LEND LEASE PROJECTS****WASTE MANAGEMENT STRATEGY****1.00 Introduction**

GSSArchitecture have undertaken this waste audit in connection with the proposed Maplefields Special Needs School in Corby.

The purpose of the waste audit is to establish a waste management strategy to be put into place in support of the planning application to establish baseline criteria during construction and post development stages of the project.

2.00 Site Location and Description

The site is located adjacent to the A6003, Uppingham Road in Corby. The development is proposed on the southern part of the former Beanfield Secondary School with a new access off Tower Hill Road. The northern part of the site with an existing access off Glastonbury Road is to be retained for a future development.

The main building is positioned centrally on the site to create a defined arrival to the front and play areas to the side and rear.

The separate Sports Hall building is positioned on the northern part of the site with an associated All Weather Sports Pitch. The buildings are positioned centrally to mitigate any noise pollution from the Uppingham Road.

A below ground culvert runs through the centre of the site, which defines the two plots for the proposed buildings. A gas main runs through the site adjacent to the culvert.

An arrival area is formed using a one-way vehicular system that contains staff and visitor parking and drop off points to the two main primary and secondary teaching parts of the buildings, Key Stages 1 and 2 and 3 and 4 respectively.

A separate access and parking area is provided to the Sports Hall, which includes the Diploma Centre.

3.00 The Proposed Development

The building form is predominantly defined with curved 'green' sedum roofs. The roofs envelope what is predominantly a single storey form. The roof form extends over the Administration areas and creates a double height space over the main Hall.

The building materials are designed to be robust and natural and include brickwork, rendered blockwork and high performance cladding at low levels.

Clerestory glazing and cedar cladding is provided at high level.

Rainwater harvesting will be incorporated for WC flushing and irrigation of the external soft landscaping.

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4.00 Waste Management

4.01 Duty of Care

Section 34 of the Environmental Protection Act 1990 imposes a duty of care on persons concerned with controlled waste. The duty applies to any person who produces, imports, carries, keeps, treats or disposes of controlled waste. In accordance with this duty of care, all reasonable steps must be taken to ensure that waste is kept safe. If waste is given to a third party, it must be ensured that they are authorised to take it.

In line with this duty of care all waste produced during this development shall be made secure and kept in appropriate storage containers. If waste is transferred off site, checks shall be made to confirm that the persons taking the waste have the appropriate authority to take it. When waste is taken from the site a written description shall be made of the waste and a transfer note will be signed and kept in a secure place.

In accordance with the Site Waste Management Plan 2008, a Site Waste Management Plan (SWMP) will be provided by the main contractor to ensure that duty of care is adhered to and that waste is managed in an appropriate and effective manner throughout the development.

4.02 Site Clearance

Minimal waste will be provided during site clearance due to the relative 'green-field' nature of the site. Cut and fill will be utilised to create the proposed levels subject to suitability of the excavated materials and the meteorological conditions.

4.03 Construction Phase

Waste will be minimised during the construction phase. Materials will be identified before any orders are placed and will be reviewed on a constant basis during the construction phase to identify at the earliest possible stage any over ordering. The above, together with safe storage and 'just in time' ordering will help to ensure the minimisation of waste during construction.

The resourcing of materials will be designed such that local builder's merchants will be used wherever possible. A list of typical builder's merchants is given below, along with their distance from the site:

Jackson Building Centre Limited, Commercial Road, Corby, Northants. NN17 5XG	Jewson Limited, Pilot Road, Corby, Northants. NN17 5YF	Travis Perkins, Unit 3 Heritage Way, Corby, Northants. NN17 5XW
3.1 miles from site	3.3 miles from site	4 miles from site

Any new materials will be sourced from sustainable suppliers or wherever available, recycled materials should be re-used.

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A Site Waste Management Plan (SWMP) will be provided for the site by the Principal Contractor. The SWMP will be a record of predicted and actual waste stream involved in construction and site clearance. The SWMP will be updated every time waste is removed from the site and as the project value is greater than £300,000, the SWMP will be updated every six months as a minimum requirement.

The SWMP should be implemented by and remain the responsibility of the Principal Contractor throughout the project.

In accordance with the SWMP regulations, the SWMP will be audited within three months of completion of the project and will be kept for at least two years after completion.

Implementation of the SWMP is a continuous process that may be undertaken in the phases as follows:

4.04.01 Concept and Design

Consider materials and methods of construction that produce the minimum amount of waste.

4.04.02 Design

Draft SWMP identifying waste types. Record design considerations. Build waste management targets.

4.04.03 Construction

Regular toolbox talks. Adequate ordering and storage. Update SWMP.

4.04.03 Post Completion

Identify actual waste quantities. Calculate waste savings. Apply lessons learnt.

5.00 Post Development Waste Management

5.01 It is intended for the school to adjust the following policies:

- Ensure that waste management is performed in accordance with all waste legislative requirements, including the duty of care and to plan for future legislative changes and to mitigate their effects.
- To minimise waste generation at source and facilitate repair, re-use and recycling over the disposal of waste, where it is cost effective.
- To promote environmental awareness in order to increase and encourage waste minimisation, re-use and recycling.
- To ensure the safe handling of waste storage.

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Individual building users will be responsible for general and recyclable waste storage within their own rooms/departments.

Cleaning Contractors:

Individual cleaning facilities/storage are provided in each part of the building. Premises Manager area, Key Stage 3 and 4, shared Teaching and Administration, Post Sixteen, Extended Learning, Key Stage 1 and 2, the ILP Suite, Sports Hall and the Diploma Centre. The cleaning contractors will be responsible for re-distributing general recyclable waste from the individual building areas to the centralised refuses stores in the main building and the Diploma Centre/Sports Hall.

Premises Manager:

The Premises Manager will be responsible for re-distributed general and recyclable waste from the Diploma Centre/Sports Hall to the main building.

The Premises Manager will be responsible for re-distributing general and recyclable waste from the main building internal storage to the external area adjacent to the bin store and the large external bin store on collection days.

The external and internal bin stores will be kept secure at all times.

5.03 Composting of appropriate materials will be encouraged for use in the horticultural garden.

6.00 Summary

Given the open nature of the site, it is anticipated that only minimal site clearance will be necessary.

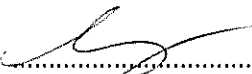
The development will be carried out in such a way to minimise waste and maximise sustainability. A Site Waste Management Plan will be implemented to promote the economic use of construction materials so that waste is minimised and any waste produced can be re-used, recycled or recovered before disposal is considered.

All requirements in respect of section 34 of the Environmental Act 1990 will be adhered to, as well as the requirements of the Site Waste Management Regulations 2008.

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WASTE MANAGEMENT STRATEGY

Approved and Authorised By:


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