1.1.1 The Scheme’s Materials Management Plan ("MMP"), which will detail how all construction phase materials (material resources and waste) will be managed, will be developed and implemented by the appointed contractor. This Outline MMP provides the framework which will be used as a basis from which to develop the Scheme’s MMP.

1.1.2 Given the quantities of material resources to be used and waste arisings associated with the Scheme, a need has been identified for the development of a MMP that will set out how the materials associated with the Scheme will be procured, handled and managed in the most efficient and sustainable manner.

1.1.3 This Outline MMP provides a clear framework for the appropriate management and onsite or offsite reuse of materials and to demonstrate that the following principles for the use of site-won materials as ‘non waste’ are met:

a) The material is suitable for its intended use in all respects (suitability for use);

b) There is a requirement for the material (certainty of use);

c) The quantity of the material required is defined; and

d) The potential risks to human health and the environment from the material have been considered and assessed.

1.1.4 The Scheme’s MMP will further include a specific soils management plan developed under the following voluntary and industry regulated Codes of Practice including:

a) The Construction Code of Practice for the Sustainable Use of Soils on Construction Sites. This provides best practice guidance for the excavation, handling, storage and final placement of soils; and

b) The Definition of Waste. Development Industry Code of Practice provides a process whereby contaminated soils can be reused on the site of origin (i.e. they do not become a waste) if they are proven through appropriate risk assessment to be suitable for use. It also provides for soils with naturally elevated contamination to be used directly on another site provided that they are suitable for use at that site.

1.1.5 Where practicable, waste streams that have the potential to be reused onsite or transported offsite for reuse/recycling will be segregated in separate containers (for example metals, plastics). Although every effort would be made to retain all suitable materials onsite, it is possible that some of these materials cannot be reused or recycled during the construction of the Scheme. In these situations, the Site Managers would work to identify suitably licensed waste facilities in order for material
to be redistributed to other suitable sites. This represents the most sustainable alternative to landfill disposal.

1.1.6 The MMP is expected to follow the layout and cover, as appropriate, the broad issues outlined below.

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**Project Details**

Site details and materials (material resources and waste) aims (e.g. 100% of suppliers and subcontractors operate their own ISO 14001 accredited Environmental Management System, etc.), targets (e.g. percentage of total material resources value derived from reused or recycled content, 100% timber procurement from FSC accredited sources, etc.), objectives and key performance indicators for efficient material use will be outlined.

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**The Materials Management Team**

The Materials Management Team (e.g. Project Manager, Buyer, Environmental Manager, Construction Teams, Subcontractors, etc.) will be identified and contact details and individual responsibilities provided.

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**Communication**

Communication is a major part of the success of any project and communication of the Materials Management Plan is paramount to its implementation. A communication strategy, including meetings and training and toolbox talk plan, will be outlined.

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**Material Resources to be used**

The material resources to be used, including types and quantities, will be outlined.

Where feasible the Scheme’s design team and appointed contractor and will attempt to research and investigate sustainable procurement options for material resources, that:

- a) Are non-hazardous;
- b) Are reused, refurbished or recycled;
- c) Are recyclable;
- d) Are from renewable sources;
- e) Are lower in embodied energy;
- f) Have a lower carbon footprint;
- g) Have a lower water footprint; and
- h) Consider transport impact and mode, balancing the cost and benefits.

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**Material Resources Suppliers**

A methodology for selecting the material resources suppliers will be outlined. Material suppliers will be asked a selection of questions, depending on the material resources in question, for example:

- a) Is the material resource certified under BRE BES 6001 or BS 8902 or 8905?
- b) Is your company registered under the Carbon Reduction Commitment Energy Efficiency
c) Can your material resources be reused or recycled after use?
d) What is the reused or recycled content of the material resource?
e) Can you provide information on the embodied energy of the material resource?
f) Can you provide information on the carbon and water footprint of the material resource?
g) How far does the material resource have to be transported?
h) By what mode is the material resource transported?
i) Can packaging be returned to the supplier?
j) Can unused material resources be returned to the supplier?
k) Is the material resource hazardous?
l) Is the wood FSC certified or equivalent?

Suppliers will be scored on their performance against the established criteria. This score will be considered when the supplier is chosen.

**Waste Arisings**

The existing ground conditions and the estimated types and quantities of key waste streams likely to arise from the Scheme will be outlined.

Waste arisings will be recorded in the SWMP.

Where generated, waste arisings will be classified in accordance with the statutory controls governing the management of inert, non-hazardous and hazardous wastes.

**Approach to material resources management during construction**

Phasing of materials use and environmental management and mitigation will be outlined.

Minimisation of material resources through attention to specifications, delivery, storage, handling, use and disposal of material resources will be described.

Method of transporting material resources to minimise road transport will be outlined with appropriate reference to the Scheme’s Logistics Plan. An Outline Logistics Plan has been included in Annex G.
Approach to waste management during construction

The planned approach to waste management during construction of the key waste streams and an assessment of their suitability will be outlined.

Minimisation of waste arisings through attention to material resources specifications and delivery, storage, handling, use and disposal of materials will be applied.

Details of any treatment or contaminated waste arisings being handled, including end disposal point will be included. The methodology for ensuring waste arisings are stored, sampled and managed in accordance with agreed process will be outlined. Materials acceptance criteria for reuse, validation testing and waste classification will be taken into consideration and implemented in accordance with a waste sampling strategy which will be outlined. Stockpile surveys will be undertaken and drawings produced on a regular basis. Descriptions of permitted stockpiles will be included.

There is no envisaged need to import material for reuse from other sites. However, if imported material will be needed, a methodology will be outlined.

Waste Reuse Locations

Details of the sites to be utilised for beneficial reuse of the ‘clean’ inert and non-hazardous waste arising from the Scheme and quantities being reused will be outlined.

Site Records

In addition to the site-specific records detailed in the Materials section of the Outline CEMP, the following records will be kept:

a) Licenses and permits relevant to the MMP;
b) Material resources tracking, treatment, disposal and delivery notes records;
c) Records of any contingency arrangement for material resources and waste arisings that had to be implemented will also be detailed.

Details of planning approvals and an electronic waste transfer note system will also be provided.
Annex - Inert Materials Management Plan

The Inert Materials Management Plan will bring together all the relevant information to demonstrate that protection of human health and protection of the environment, suitability for use, certainty of use and quantity of materials factors from CL:AIRE Guidance will be met.

The Inert Materials Management Plan will:

a) Include a tracking system and contingency arrangements;
b) Set a Verification Plan;
c) Identify how the placement of materials will be recorded and the quantity of inert materials to be used;
d) Contain a statement on how the use of inert materials relate to the remediation or design objectives.

Once the Scheme has been completed a Verification Report will be produced to demonstrate that the materials have been located in the correct place within the Scheme or dealt with appropriately.