



**Land at The Crescent, Speke.**

**Construction Environmental  
Management Plan**

November 2015

MAN001

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## 1.0 Introduction

### Background

1.1 This Construction Environmental Management Plan [CEMP] has been prepared by Countryside Properties Ltd.

1.2 The management of construction activities that can have significant environmental impacts is required as part of the proposed development. The CEMP provides a framework for planning and implementing demolition and construction activities in a way which prevents, minimises or controls their potential environmental impacts.

1.3 Proposed Condition to planning Application Ref No.13F/1895 states that:

*Condition 12. Prior to commencement of development, including any works of demolition, a detailed construction method statement shall be submitted to and approved in writing by the local planning authority. The statement shall include:*

*(i) commencement and completion dates*

*(ii) hours of operation for construction work*

*(iii) measures to control noise and dust*

*(iv) details of site compounds, storage of plant and materials*

*(v) temporary highway works or closures*

*(vi) access for construction traffic*

*(vii) parking of vehicles of site operatives and visitors*

*(viii) wheel washing facilities*

*(ix) a scheme for recycling/disposing of waste resulting from demolition and construction works.*

*The scheme shall be implemented in accordance with the approved statement and completed to the satisfaction of the local planning authority before the development is occupied/brought into use.*

1.4 The document also highlights responsibility and accountability for the management of the Plan.

### Proposed Development

1.5 The erection of 28 dwelling houses and 2 retail units with associated hard and soft infrastructure works

## **Objectives of this CEMP**

- 1.6 This CEMP provides the details of the measures that will be implemented to minimise and mitigate the construction impacts on the environment at the development site and the surrounding area. The primary objective of the CEMP is to ensure that the relevant provisions set out by Liverpool City Council are met.
- 1.7 Countryside Properties Limited is committed to ensuring measures are in place to minimise and mitigate any potential impacts on the environment during the construction phase of development.
- 1.8 The CEMP has been developed considering the overall environmental objectives of Countryside Properties set out in existing company Environmental Policies and Corporate Social Responsibility documents and will comply with relevant legislation. Copies of the Countryside Properties' Environmental Policies are to be found in Appendix 1.

## **Considerate Constructors Scheme**

- 1.9 In order to maintain a high standard of good practice, Countryside Properties has signed up to the Considerate Constructors Scheme, and will continue to adhere to the schemes code of practice. The scheme will be implemented through each sub-contractor.
- 1.10 Any complaints will be logged in a dedicated file and will be actioned by the Build Manager. If not resolved by the Build Manager then the complaint will be escalated to the Build Director then the Managing Director.
- 1.11 An example of the signage to be erected out site the site compound is shown in Appendix 4. The sign will include the contacted details of the Site Management Team.

## **Health and Safety Management**

- 1.12 Countryside Properties is committed to promoting a positive safety culture. The enforcing authority for health and safety on construction sites is the Health and Safety Executive who will be notified of all construction works prior to their commencement on site.
- 1.13 The main contractor will maintain a register of accidents, incidents, near misses and complaints. Contractors failing to maintain the required safety standards may be excluded from the approved tender list for future work.
- 1.14 All works will be legally compliant and all Codes of Practice and site rules relating to the works will be observed.

## 2.0 **Construction Environmental Management Plan**

- 2.1 This section of the report addresses the key elements relating to construction management protection measures.

### **(i) Construction plant**

- 2.2 We have instructed our sub-contractors that all plant to be fitted with effective silencers and to comply with current EC regulatory noise limits.

### **(ii) Plant location**

- 2.3 All plant is to be located so as to minimise any impact on sensitive properties and if noise or vibration is anticipated notification will be given to the local residents or local authority.

### **(iii) Dust emissions**

- 2.4 A number of methods and techniques will adopted across the whole site to reduce the volume of dust entering the air, these will include regular road sweeps and "road dampening down" by the forklift dispensing water from a reservoir fitted to the forks, both operations will be carried out as required.
- 2.5 All handheld rotary saws, used to cut paving slabs, kerbs etc will be fitted with a dust suppression system. This system will spray water onto the rotating cutting disk to reduce dust emissions. This system will be used at all times.

### **(iv) Methodology of specifying and procuring quiet plant and equipment**

- 2.6 All sub-contractors have been informed of the required specification and EC regulations required for their plant and equipment.
- 2.7 The site will have occupiers and out of hours security. This will reduce any threat of crime and damage.

### **(v) Site notices**

- 2.8 Notice Boards will be located at the site entrances off Speke Church Road, Appendix 4 contains an example of the notice. They detail the site manager contact details if required.

### **(vi) Information exercises**

- 2.9 A leaflet / letter drop to local residents will be posted two weeks prior to commencing informing them of the start of the works and associated timescales.

### **(vii) working hours**

- 2.10 Monday - Friday 07:30 - 18:00  
Saturday 08:00 - 14:00

### **(viii) site compound**

- 2.11 Phase 1 – Retail Unit

It is proposed to secure the site of the new retail unit see plan A in Appendix 2, leaving the existing car park on Speke Town Lane available for visitors to the existing shops (Bargain Booze and Post Office). It is proposed that the car park on Speke Church Road will be used for site cabin and welfare. The secure area behind the existing shops will be utilised for containers, material storage and sub-contractor parking.

- 2.12 Phase 2 - House build

On completion of the fit out of new retail units (by others) CPPLC will then secure the balance of the site as indicated on plan B in Appendix 2. The Compound will be on plots 19-22.

### **(ix) commencement and completion dates**

- 2.13 A draft construction program is contained within Appendix 2

### **(x) temporary highway works, closures and parking**

- 2.14 The perimeter footpaths will be temporarily closed when the services (gas, water, electric and Telecoms) connections are being made to the new houses and retail units fronting Speke Town Lane and Speke Church Road. The perimeter footpaths will also be temporarily closed during the resurfacing of the exiting footpaths. The appropriate temporary pedestrian walkways will be in place during these operations.
- 2.15 Deliveries and Site Access for construction traffic will be off Speke Church Road.
- 2.16 Contractor parking will remain on site until such time that space becomes a premium during the end of the project. At this point contractors will park on the public highways ensuring they do not obstruct the driveways or pedestrian crossing points.

### **(xi) wheel washing facilities**

- 2.17 All vehicles leaving site will have visual inspection prior to leaving the site.
- 2.18 Any vehicles which are found to be holding excessive dirt will have their wheels cleaned and the dirt removed using a jet wash, once the vehicle is deemed suitably cleaned it will be allowed to leave site.

- 2.19 In addition, a road cleaning strategy will also be in place which will be monitored daily and implemented as required.

## **Conclusion**

- 2.20 The overall objective of this Construction Environmental Management Plan has been developed to ensure that throughout the construction process, the following fundamental goals are all met so far as practicable: exemplary environmental practice; protection of the interests of local residents, amenity; and efficient, economic and timely construction practices.

# Appendix 1      Environmental Policies



## **ENVIRONMENTAL POLICY**

Countryside ("the Group") is a specialist development company recognised in particular for the creation of sustainable communities and urban and rural regeneration. This involves land acquisition, planning and design, development and construction management, lettings and property sales. In undertaking some of these activities, the Group recognises that it has an impact on the environment.

The Group wishes to be acknowledged as an industry leader in its approach to care of the environment, in the execution of its developments and in its working practices. The Group's objective is to ensure that development realises the desired financial returns whilst in an environmentally responsible and sustainable manner.

**To achieve this, the Group's vision, values and objectives are to:**

### **Corporate**

- Actively pursue a policy of promoting and implementing sustainable development.
- Promote the Group's environmental, social and ethical objectives and policy to all personnel, associates, contractors, suppliers and the public.
- Comply as a minimum, with legislation and associated codes of practice.
- Keep the relevant divisions and departments informed of changes in legislation, technologies and construction research, which may affect them.
- Seek progressive improvement in environmental performance by measuring certain activities against both qualitative and quantitative targets.
- Undertake regular environmental auditing of its activities and report on performance to key stakeholder groups.
- Maintain the Groupwide Environmental Management System and certification to ISO 14001:2004.

### **Land**

- Ensure that land acquisition procedures relating to environmental issues are identified and assessed.

### **Planning and Design**

- Ensure environmental considerations are incorporated into the planning, specification and design process.
- Develop landscape and building design so that it integrates with and enhances the surrounding natural and built environment.





### **Construction**

- Adhere to the principles of considerate construction practice and good neighbourliness on all sites.
- Continue to manage the construction process to help to minimise the environmental impact of its operations and reduce potential for pollution of soil, water and air.

### **Resource Use**

- Minimise the waste generated and encourage the appropriate re-use or recycling of materials as far as is practicable.
- Encourage the procurement of materials that are produced in a manner which causes less impact on the environment.
- Investigate opportunities, and where appropriate implement measures, to ensure that natural resources are used efficiently.

### **Organisation**

The Chief Executive Officer is Chairman of the Environment and Quality Committee. The remit and constitution of the Committee shall be determined by the Board of Directors.

This Corporate Environmental Policy is regularly reviewed and supported by a number of issue specific policies and procedures. These policies and details of the Group's environmental targets can be viewed on the Group's website at [www.countryside-properties-corporate.com/policies](http://www.countryside-properties-corporate.com/policies)

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Signed: (Chief Executive Officer)

3<sup>rd</sup> March 2014



## Appendix 2      Construction Methodology

### **Phase 1 – Retail Unit**

It is proposed to secure the site of the new retail unit as plan A (enclosed), leaving the existing car park on Speke Town Lane available to use for visitors to the existing shops (Bargain Booze and Post Office). It is proposed that the other car park on Speke Church Road will be used for site cabin and welfare. The secure area behind the existing shops will be utilised for containers, material storage and sub-contractor parking. The sequence of works will then be:

1. Tree removal and regrade
2. Commence foundations
3. Slab, drain and external car park to base course
4. Commence superstructure
5. Handover completed shell as per SLH requirements

### **Phase 2 - House build**

On completion of fit out of new shops (by others):

1. We will then secure the balance of the site as indicated on plan B
2. Demolition will then commence on the old shops
3. Site will be regraded / remediated
4. New road will be put in
5. Compound will be set up in position as indicated on plan B
6. Mains will be installed to new road
7. Sub structure will start as D.O.B on plan B
8. Super structure will commence
9. Site will be built as per programme and follow SLH handover process

- i.      **Plan A**
- ii.     **Plan B**
- iii.    **Program**

## Appendix 3      Control of Construction Process

### Composition of the Team

- 2.21      A team with primary responsibility for planning, implementing and checking environmental management in the course of demolition and construction will be established. The roles and responsibilities of all elements of this team will be assigned and adequate resources will be provided to ensure that these are adequately fulfilled.
- 2.22      The general composition and structure of the team is described below. At this stage, it is envisaged that the environmental management team will comprise the following key roles:
- Site Manager;
  - Assistant Site Manager;
  - Waste and Material Controller;
  - Sub-contractors Environmental Representatives;
  - Environmental Specialists; and
  - Construction Liaison Officer.
- 2.23      General descriptions of the responsibilities assigned to each of these roles are provided below.

### Roles and Responsibilities

#### Site Manager

- 2.24      The Site Manager (SM) will report to the Build Manager and will be responsible for overseeing environmental management and checking that the project is being carried out in line with statutory requirements and the agreed environmental standards. The SM will have day to day responsibility for environmental management in the course of the works and will be responsible for coordinating and managing all environmental management activities in the course of the works. The SM will act as the main point of contact for construction personnel.
- 2.25      The specific responsibilities of the SM include:
- Assessing the competence of all contractors working on the project and report to the Build Manager on this matter;
  - Checking that appropriate control measures are being implemented;
  - Reviewing the results of monitoring, inspections and audits;
  - Reviewing and approving the CEMP, Method Statements and operational control procedures suggesting areas for improvement, to ensure that they continue to guide appropriate environmental management in the course of the works.

- Identifying environmental competence requirements for all staff working on the project and coordinating the delivery of environmental training and awareness-raising initiatives;
- Ensuring that appropriate resources are made available and environmental control measures are implemented;
- Providing advice and liaison with the construction teams to ensure that appropriate controls are developed and implemented in the course of the works;
- Undertaking monitoring, inspections and audits in the course of the works, with support from environmental specialists as appropriate;
- Reviewing the results of monitoring, inspections and audits to ensure that the environmental controls being implemented are delivering the objectives outlined in the CEMP; and
- Reviewing and revising the CEMP, Method Statements and operational control procedures.

#### **Waste and Materials Controller**

2.26

The Waste and Materials Controller will report to the Developers Site Manager and will be responsible for waste management in the course of the works. The specific responsibilities of the Waste and Materials Controller include:

- Providing specialist guidance and training on waste management to all relevant personnel;
- Coordinating waste minimization, segregation and appropriate storage and handling of waste;
- Coordinating the transportation, treatment and disposal of waste; and
- Monitoring material consumption and waste.

#### **Environmental Specialists**

2.27

The Principal Contractor and any sub-contractors will employ environmental specialists to assist with specific activities (e.g. monitoring) as appropriate.

#### **Construction Liaison Officer**

2.28

The Construction Liaison Officer (CLO) will be responsible for dealing with queries and complaints from the public. This nominated individual will be named at the site entrance, with a contact number, and will be identified to the local public prior to the start of site activities.

#### **Training and Raising Awareness**

2.29

All staff will undergo environmental awareness training, initially as part of the induction process, in order to be made aware of roles and responsibilities, procedures to be followed and to ensure competency.

The types of issues covered include:

- Site Drainage - no polluted or silty water to enter the surface water drains on site. Gullies will be cleaned out and lined with straw bales.
- Deliveries - Special care to be taken when dealing with deliveries, particularly fuel and hazardous materials. Deliveries will be supervised by the materials controller to ensure that storage tank levels are checked before delivery to prevent overfilling. Spill Kits are available and all staff and operatives are made aware of their location and of the correct procedure for dealing with spills.
- Storage - Fuel, oil and chemical storage to be sited on an impervious base that is bunded and secured.
- Security - All valves and trigger guns will be protected from vandalism and will be turned off and locked when not in use. Tanks and drums will be stored in a secure container or compound. Bowsers will also be stored within the site security compounds.
- Marking - The contents of any tank will be clearly marked on the tank and a notice will be displayed requesting that the valves and trigger guns are locked when not in use.
- Removal - Prior to the removal of tanks at the end of the contract, all contents and residues will be emptied by a competent operator for safe disposal.
- Waste Treatment & Storage - All waste will be stored in designated areas which are isolated from surface drains. Separate skips will be used for mixed waste and used for timber only recycling.
- Duty of Care and Waste Legislation - Sub-contractors are not permitted to remove their own waste from sites so as to reduce the risk of fly-tipping and ensure that the waste generated on site remains on site for licensed carriers to dispose of.

## Reporting

Reporting procedures will be defined by Countryside Properties to ensure consistency. Each subcontractor will hold the overall responsibility of providing feedback to the main contractor and the Countryside Properties on the environmental performance of the development.

## Monitoring, Continual Improvement and Review

The CEMP shall be reviewed and updated during the life of the project by Countryside Properties to ensure that it remains suitable to facilitate efficient and effective delivery of the project environmental commitments. All revisions of the CEMP will be copied to Trafford Council for approval in sufficient time to allow detailed environmental plans to be prepared by the SM and also submitted for approval. The environmental review will consider past performance from inspections, audit reports and monitoring data, plan actions required to mitigate forthcoming risks and disseminate best practice.

## **Environmental Complaints and Incidents**

- 2.33 All complaints and incidents will be recorded and responded to. These are to be reported to the site manager and the SM who will provide advice on how to deal with the incident. A centralised place for all reported complaints and incidents should remain with the SM and be reported to Countryside Properties at the monthly meetings to provide feedback on the types of incidents noted.
- 2.34 The appointed Main Contractor shall provide training as necessary to prevent environmental incidents and to ensure that personnel are aware of the actions to be taken in the event that they identify an incident. To ensure consistency each of the sub-contractors will monitor performance of the main contractor by implementing the complaints procedure and provide instruction where necessary.

## **Public Relations and Community Relations**

- 2.35 There will be regular and proactive liaison with Trafford Council and other third parties as appropriate on environmental issues throughout the project implementation.
- 2.36 A dedicated Community Liaison Officer provides a framework for managing communications with local residents and interested parties. Regular newsletters are distributed monthly to local residents providing information on the proposed development and on-site activities. Details of specific activities are highlighted through the provision of letters which are delivered by hand to all affected households in the vicinity.

## Appendix 4 Site Signage



Example of Notice board to be erected on Speke Church Road.