



**Construction Method Statement**

**For**

**Land north west of Haverhill,**

**Anne Suckling Road,**

**Little Wratting,**

**Suffolk**

**Construction of Relief Road and Associated Works**

**Ref. SE/09/1283**

**Details pursuant to the Discharge of Condition A7**

**Prepared by Persimmon Homes**

**February 2017**

# Contents

- 1.1 Introduction
- 1.2 Commencement and Sequence of works
- 1.3 Project Health and Safety
- 1.4 Specific requirements of Condition A7
  - (i) The parking of vehicles of site operatives and visitors
  - (ii) Loading and unloading of plant and materials
  - (iii) Site setup including arrangements for the storage of plant and materials used in constructing the development and the provision of temporary offices, plant and machinery.
  - (iv) The erection and maintenance of security hoarding including external safety and information signage, interpretation boards, decorative displays and facilities for public viewing, where appropriate.
  - (v) Wheel washing facilities and road cleaning
  - (vi) Measures to control the emission of dust and dirt during construction
  - (vii) A scheme for recycling/disposing of waste resulting from demolition and construction works
  - (viii) Hours of construction operations including times for deliveries and the removal of excavated materials and waste
  - (ix) Noise method statements and noise levels for each construction activity including piling and excavation operations.
  - (x) Access and protection measures around the construction site for pedestrians, cyclists and other road users including arrangements for diversions during the construction period and for the provision of associated directional signage relating thereto.

## Appendices

- A. Persimmon Group, Environmental Management System
- B. Persimmon Group – Construction Safety Manual
- C. Site Compound Drawing – COM.01
- D. Relief Road Phasing Plan Drawing - Ref 000/E/1000

## **1.1 Introduction**

The Construction Method Statement has been prepared in response to the requirements of Condition A7 of Planning Permission SE/09/1283 (Relief Road). Further information is contained within the Arboricultural Method Statement prepared by James Blake Associates (Ref JBA 17/364 AR01 Rev B, dated 12 February 2018) in respect of the discharge of Condition A4. A Construction Environmental Management Plan (CEMP) has also been prepared for the extent of the relief road. Whilst a CEMP was not required by condition, it has been prepared in order to identify further ecology reports and mitigation which may be required as the construction of the relief road progresses.

Drawing Ref COM.01 is attached which details the locations of the site compound and temporary construction access for the relief road works.

The management plan will be implemented by the Construction Team with assistance from all Persimmon departments to enable adherence.

Phasing of the relief road is highlighted on drawing ref 000/E/1000. The development will commence in the east (Phases 1a and 1b) comprising the initial abridged works (1a) and roundabout (1b) and will progress in a westerly direction through Phase 2 which includes the central roundabout and Phase 3 which links to the roundabout at Hales Barn Road.

## **1.2 Commencement and Sequence of works**

Access to the site will be directly off the A143, Haverhill Road. The initial works will commence with forming of Temporary access off the A143, opposite the former rising sun public house, utilising the current farming access entrance.

## **1.3 Project Health and Safety**

Persimmon Homes have established a health & safety strategy for the works with a target of zero accidents of all types, and in addition we will set up a benchmark standard for the monitoring of health and standards on this project by means of a system of monitoring of incident and accident frequency rates, using both active and reactive monitoring procedures prior to the commencement of works. All sub contractors working on this project will be expected to achieve a similar standard and provide outline procedures for inspecting and auditing during the project.

Our divisional Health & Safety officer will visit site prior to, after site set up and once works have commenced. During these visits items site activities will be discussed to ensure that these do not become a nuisance to any surrounding area's or site neighbours.

#### **1.4 The following information addresses the specific criteria detailed in Condition A7:-**

##### **(i) The parking of vehicles of site operatives and visitors**

On site Contractor parking will be provided within the Relief Road compound, parking capacity will be sufficient in size to contain staff & operatives vehicles in line with build programme, please refer to drawing number; COM.01, Relief road compound for the location.

No parking will be permitted on the surrounding highways.

Contact details for Persimmon Homes and the civil engineering contractor will be displayed on perimeter fencing should the need arise for contact to be made. Any complaint received will be dealt with Persimmon procedures.

##### **(ii) Loading and unloading of plant and materials**

Construction traffic will initially enter the Relief road compound off the Haverhill Road A143, this access will be used until such a time that the relief road compound is moved to the next phase and new location will be agreed prior to commencement.

It is not envisaged that at any time will deliveries be unable to access the site which may result in a `stacking up` situation, however, to remove this `stacking up` risk two procedures will be implemented, firstly the site will ensure at all times that deliveries are brought onto the site, secondly, site management will schedule deliveries to spread the volume throughout the week.

No unloading of vehicles will take place on the highway, all unloading will be within the confines of the site

##### **(iii) Site setup including arrangements for the storage of plant and materials used in constructing the development and the provision of temporary offices, plant and machinery.**

Plant will be stored within its own fenced off area within the compound so it is secure when not in use, material will also be stored within a fenced compound within the overall Relief road compound. Temporary site office, canteen, toilet block and drying room facilities will be provided by the contractor to meet the need of number of men onsite.

Additional security fencing will be provided around the perimeter of the site to prevent unauthorised access where deemed necessary, this fencing will have numerous Health & Safety signage displayed warning members of the public of the hazards of building sites and warning of non-authorised access.

Information relating to general health, safety and environmental matters, site specific information and statutory notices will be displayed on the site notice board. This includes the following:

- Contract Name;
- Site Plan;
- Current Key Risks and Information;
- This Week's Topic;
- Health & Safety Law Poster;
- Designated Fire Marshal (s) and First Aider (s);
- F10;
- Insurances;
- Policy Statements;
- Site Information (Fire Alarm, Deliveries, Parking, Emergency (Medical), Environment, Police, HSE).

#### Site Compound Layout

A plan of the site compound layout will be produced and displayed on site notice board. It identifies the following as far as is possible at this stage in the contract:

- Vehicle and pedestrian routes around site by means of metal pedestrian barriers and gated vehicle access to provide safe access throughout the work areas and also control access between show home visitors and residents during construction. These routes will be updated as construction progresses within the development.
- Emergency muster points
- Fire extinguisher locations
- First aid box locations
- Welfare facilities
- Safety signs
- Location of foul and surface water drains
- Spill kits
- TPO's and other ecological mitigation/aspects

The Plan is as accurate as can be achieved at the present time. It will be drawn to the attention of contractors and their operatives during induction.

- (iv) The erection and maintenance of security hoarding including external safety and information signage, interpretation boards, decorative displays and facilities for public viewing, where appropriate.**

#### Site Security

The proposed arrangements for site security are as follows:

- 1.8m High security fencing will be installed around the entire perimeter of the site. (There will be no temporary hoarding erected). The fencing will be maintained and kept in good condition at all times.
- It is not envisaged that any security lighting will be required
- Any compound enclosures will be secured at the end of the working day or if unattended during the working day.
- Security straps and bolts will be used to fix the fence panels into their bases if on site experience shows that this is necessary.
- It is not proposed that decorative displays or facilities for public viewing will be provided.

**(v) Wheel washing facilities and road cleaning**

Minimise as reasonably practicable driving off designated hard areas by adhering to the Traffic Management Plan.

When necessary all vehicles wheels leaving site will be cleaned with the use of a pressure washer, which will be available at the entrance of the working area to ensure that mud is not carried onto existing roads.

All roads will be managed to avoid as reasonably practicable, any mud or debris being deposited onto the public highways. This will be monitored throughout the working day. Thorough inspections will be done at the end of each working shift. Should any debris be found then it will be cleared up using a shovel and broom, forklift with sweeper attachment or if deemed necessary and industrial sweeper

**(vi) Measures to control the emission of dust and dirt during construction**

Dust and dirt will be controlled with our SHEQ procedures. Completed earthworks will be covered or vegetated as soon as possible. Exposed soil and stockpiles will be dampened, if necessary, using hoses if longer term exposure is envisaged. The following mitigation measures will be adopted to minimise impacts:-

- Use sheeting to screen and contain any dust
- Using localised screening and water sprays to damp down dust at loading or material handling positions
- Using water sprays to damp down dust in dry weather
- All delivery vehicles will be covered and cleaned, if required, before going on public highways

**(vii) A scheme for recycling/disposing of waste resulting from demolition and construction works**

Waste levels will be minimised wherever possible for example balancing cut and fill so that cartage of arising off site is minimised and use of recycled materials in construction.

- As far as practicable, all loose waste materials will be removed from all areas of the site at the end of the working day
- Waste skips will be kept in heras fenced areas where the public do not have access
- Waste skips will be removed when full

Persimmon Homes are committed to reducing the waste generated by their projects, minimising the waste that is sent to landfill through our waste management processes and to maximise the opportunities for using materials with high recycled content. In order to do this we require the support of our supply chain. Our supply chain has a role to play at all stages of the project – pre construction / planning, construction and post construction. A copy of Persimmon Environmental Management System is appended to this report.

All waste is managed in line with environmental legislation. All waste produced by Persimmon Homes as part of the contract is taken onto the highway by a licensed waste carrier under a waste transfer note and disposed of at a licensed facility, preferably a waste transfer station to maximize recycling opportunities. Suitable storage facilities are provided for all waste, including hazardous waste streams. Copy of Persimmon's Environmental Protection (Duty of Care) Regulations is appended to this report.

**(viii) Hours of construction operations including times for deliveries and the removal of excavated materials and waste**

There will be no construction work outside the hours of 07:30-18:00 Monday to Friday and 08:00-13:00 on Saturdays. No work to take place on Sundays or Bank Holidays.

The Site Manager will make sure that all contractors working on the site are aware of any restrictions of hours of work, environmental and other matters. These will also be communicated to the workforce during site induction.

The following restrictions apply to this site:

- Works permit system will be used
- Smoking will only be permitted in designated area's within the confines of the site compound
- No fires will be permitted

**(ix) Noise method statements and noise levels for each construction activity including piling and excavation operations.**

Noise & Vibration will be controlled with our SHEQ procedures.

Examples of impacts and mitigation measures are detailed below:-

**Impact**

Noise and vibration will be caused during construction activities by:

- Traffic movements;
- Plant movements;
- Excavating operations;
- Generators;
- General construction activities;

**Mitigation**

- Noise and vibration will be limited to the core working hours previously defined.
- Contractors must use "best practicable means" (BPM) to minimise the nuisance from noise and vibration.
- Recommendations made in BS 5228 should be applied to all aspects of the construction of the relief road to ensure that the amenity of the local residents and on-site workers is maintained
- The location of plant will be planned to minimise noise levels and screening will be used where necessary.
- Adherence to noise limits should be included in contractual agreements with contractors. Key construction processes will be assessed for predicted noise levels and mitigation measures implemented to control noise. Monitoring will be undertaken during construction to ensure that noise levels are controlled to an acceptable level



- General induction training for site operatives and specific training for staff having responsibility for particular aspects of controlling noise from the site.
- Intermittently operating plant will be shut down in the intervening periods between operations
- Any compressors brought on to site would be silenced or sound reduced models fitted with acoustic enclosures.
- All pneumatic tools will be fitted with silencers or mufflers.
- Wherever possible, the use of hydraulic attachments or other means of crushing concrete and hard materials will be used in preference to pneumatic breakers.
- Care will be taken when erecting or striking scaffolds to avoid impact noise from banging steel. All operatives undertaking such activities will be instructed on the importance of handling the scaffolds to reduce noise to a minimum.
- Deliveries will be programmed to arrive during daytime hours only as specified in VIII, above. Care will be taken when unloading vehicles to minimise noise. Delivery vehicles would be routed so as to minimise disturbance to local residents. Delivery vehicles will be prohibited from waiting on the highway or within the site with their engines running.

In terms of monitoring, the site manager will be responsible for ensuring that the above is adhered to. A complaints log will be maintained and made available for inspection by the Local Planning Authority upon request.

- (x) Access and protection measures around the construction site for pedestrians, cyclists and other road users including arrangements for diversions during the construction period and for the provision of associated directional signage relating thereto.**

Protection of the public and third parties

The proposed arrangements for the protection of the public are as follows:

- Any visitors to the site will be directed in the first instance to the site office
- All visitors will have to sign in on arrival and sign out when leaving the site
- All public access areas to be clearly marked
- Work areas fenced off and kept secure

- Posters and signs erected to inform and indicate safe routes
- Maintain good housekeeping to all areas of work
- Interface with the public will be kept to a minimum by means of metal pedestrian barriers and gated vehicle access to provide safe access throughout the work areas and also control access between members of public and residents during construction. These routes will be updated as construction progresses within the development.

#### Work in Public Areas

- No work will be permitted in public areas unless the proposed work area has been isolated by Heras fencing / low-level barrier fencing with signs indicating that work is being carried out
- No debris, waste or tools will be left unattended in areas accessible to the public UNLESS these are in such a position or in such a condition that they pose no significant health and safety risk. When assessing this consideration WILL be given to the possible presence of children in the area. Refer to Part vii for Management of Waste.

All existing public rights of way will be managed to remain separated from construction activities and will remain open, and protect from the construction area by heras fencing.

Permission to temporarily realign any footpaths to allow safe working practises if required will only take place after consultation with the Highways Department and once the necessary paperwork has been submitted and approved.