

**CONSTRUCTION METHOD
STATEMENT**

Land South of Bartons Road, Havant

Phase 1 – Access Works

Planning Reference: APP/18/00565

To be read in conjunction with
Drawing CTMP-001A



1.0 Introduction

This Construction Method Statement (CMS) Phase 1 describes the proposed programme of construction works and the key activities that will be undertaken and **should be read in conjunction with drawing CTMP-001A** that shows the proposed site set-up arrangements.

CMS documents form part of the overall project management strategy and as such, activities described will be integrated with other quality, sustainability, environmental and health & safety management processes.

This document also takes into account of the importance of planning for traffic during the enabling, construction and handover phases of a project.

2.0 Headline Matters

a) Project and Programme

To construct an access road and infrastructure as part of the S38 works over a projected period of 8-10 weeks.

b) Provision of long term contractor parking

Estimated no more than 10 people on site at one time. Designated onsite parking is shown on the CTMP-001A with capacity for up to 10 Parking Bays. ***All contractors and sub-contractors will be informed that no parking is allowed on Bartons Road and all surrounding roads.***

c) Arrangements for deliveries

Signage to be provided to state that all Lorries are to avoid Horndean Road (South) B2148 due to height restriction.

Delivery arrangements will be coordinated by the ground workers with materials managed when delivered. Please refer to the CTMP-001A for site compound locations.

All delivery companies will be advised to make deliveries only within the agreed hours as set out below. Those that arrive early will be asked to leave and only return within the described times.

The proposed hours for construction work will be 0800 – 1800 Monday to Friday inclusive and 0900 -1300 Saturday, there will be no construction works outside of these days and hours or on any Bank/Public Holiday.

Additional signage will be erected at the site entrance off Bartons Road directing deliveries into the site.

Effectiveness of the signage to avoid routing through Emsworth will be reviewed if reasonably required by Hampshire County Council.

d) Methods of construction works

The Principle contractor employed by Bellway Homes is expected to provide a written method statements for all works and Bellway will be vigilant that abnormal works require specific method statements.

e) Wheel washing and road cleaning

Throughout the duration of the construction process, drive through wheel wash facilities will be located on site (as illustrated on the CTMP-001A) by way of a gateman with jet wash to ensure that only clean vehicles re-enter the public highway. Excess water produced by such activity will not be allowed to enter the public highway, and will be diverted such that it remains on site.

Protection of this system utilising straw bales and hessian covers will be in place. Regular inspection and cleansing of the gullies will be undertaken to keep the system in operation.

A road brush will be made available for the duration of the access construction stage in order to actively manage mud within the site and any debris on the highway.

The Site Manager will be responsible for ensuring that only clean vehicles are allowed to re-enter the public highway and that the public highway is inspected and is clear of mud and any other detritus contaminants.

f) Access and Egress for plant and machinery

As with deliveries, the same timings and restrictions will apply here. Where this differs from deliveries is that the majority of plant and machinery will be provided to site early in the programme and will remain on site for the duration (with the exception of replacement machines/plant for breakdowns).

There will be no public access on site, although there will be minimal public access along the pavement outside the site. A Traffic Management Plan has been developed by the Principle Contractor and will be displayed in the site office. This plan will be updated on a regular basis and will conform to the recommendations contained in HSG144 'The safe use of vehicles on a construction site' and HSG151 'Protecting the public'. The sequence of work will be agreed to minimise the movement of plant on site.

A banks man will staff the entrance gate off Bartons Road and will control all Lorries entering and leaving the site.

Any ramp made on site will not exceed 1:4.

The Traffic Management Plan will be reviewed and updated as work proceeds.

Anticipated total number of construction vehicles = 500, which is approximately 10 vehicles per day. Lengths of construction vehicles will range between 5m to 10m, average = 8m.

g) Protection of pedestrians during construction

Pedestrian footpath access to the site and compound for construction personnel will be provided as indicated on the accompanying plan. The footpath will have barriers provided to separate it from the roadway.

h) Communication

All drivers and pedestrians entering the site will be informed of site transport hazards and relevant site rules, including the correct traffic routes to use.

The amount and detail of information given will reflect the assessment of site hazards.

Information can be provided by:

- a) Verbal instructions on arrival at site
- b) Site induction
- c) Issue of site maps to drivers
- d) Giving site-specific delivery instructions when ordering materials from suppliers
- e) Displaying maps and site rules at entrance site points and elsewhere on site e.g. in canteen and welfare facilities.

Any changes made to site traffic routes need to be communicated to site workers and visiting drivers. Workers, and their safety representatives, should be consulted on any changes that may significantly affect their health and safety.

The information on transport management contained within the Construction Phase Health, Safety & Environmental Plan will need to be updated as the project progresses and traffic routes and site rules change.

i) Location of temporary site buildings, compounds, construction material and plant storage areas

The above locations are illustrated on drawing CTMP-001A.

3.0 Control over Dust, Noise and Vibration

The following measures will be put in place to control environmental effects of the construction process:-

Dust Management

Roads and Footpaths construction methods comprise of the following:

- Tarmacadam Main Access Roads and Footpaths
- Block Paving Access Roads and Paving

Dust Identification & Control Measures

This Dust Management plan has been prepared with reference to the Institute of Air Quality Management (IAQM) guidance on the 'Assessment of Dust from Demolition and Construction 2014'. Reference has also been made and extracted from the Site specific RAMS (Risk Assessment Method Statement) report provided by the project Ground works and Civils contractors. Which are to be confirmed. The plan will identify and report on:

The Plan Parameters

- The Site and Main Activities
- Roles and Responsibilities for Key Staff
- Dust Sources and Generation
- Mitigation Measures and Procedures (including Emergency Contacts).
- Complaints procedure.
- Neighbourhood Consultation.
- General Action points.

The Site and Main Activities

- Initial site set up and formation of site compounds and storage areas. Installation of site cabins and H&S facilities.
- Suitable and adequate water supply will be available on site prior to works commencing.
- Site stripping, works to reduce dust generation as much as reasonably possible and storage of topsoil areas and installation of capping layer.
- Base formation of the access roads. Installing roads and infrastructure will reduce poor road and logistic conditions.
- Formation of site access turning onto Bartons Road.
- Formation of foundation excavations and removal and controlled storage / disposal of excavated material.
- Vehicular movements for delivery and placing of materials around the site.
- The site activities and control of Dust Management is the primary responsibility of the groundworks and civils foreman in accordance with the Sub-Contractors RAMS report.
- The Site Manager is responsible for 'Proactive Dust Monitoring' and is to undertake on-site and off-site inspections where receptors, including roads are nearby, to monitor dust. This must include regular dust soiling checks of surfaces, such as street furniture, cars and window cills within 100m of the site activity area (Phased plan work areas only) with rectification / cleaning provided where necessary.
- The site manager will enforce compliance with the Dust Management report and ensure compliance, issuing stop work orders where non-compliance issues are evident or reported.

Dust Sources and Generation

- Cutting of Silica Based Products.
- Stone – Haul Roads, Creation of dust from vehicles travelling over dry stone materials.
- Asphalt – Haul Roads, Creation of dust being left by vehicles / plant travelling on the haul road.
- Highway – Creation of dust from vehicles entering and exiting the site and leaving materials on the highway.

Mitigation Measures and Procedures (including emergency procedures).

- The control of dust generated from the development will be generally in accordance with BRE Report 456 – Control of Dust from Construction and Demolition sites.
- It is envisaged that the bulk of the fill material to embankments will be placed during the recognised earthworks season i.e. April to September. During this time it is likely that the soil being place will require either being covered with sheeting or moisture conditioning and the dust suppression measure will need to be undertaken. These will be in the form of towed spray bowsers.
- Damping Down - During dry spells of weather the haul roads will be continuously kept damp by spraying using a tanker and suitable spray attachment. Also, any areas where tracked excavators, dozers or similar tracked vehicles are working, will be kept damp at all times. Note that this operation will be in accordance with the requirements for temporary drainage
- Regular road sweeping (dependent on weather conditions) of surrounding main roads and access roads.

Complaints Procedure

- All complaints are initially directed at the Site Surveyor (if reported via the head office phone number) or the Site Manager if directed to the site office or Bellway Homes site operatives. The complaint is actively investigated as soon as reported and if required, corrective action carried out and /or reporting back to the complainant, the measures taken to remove/reduce/minimize the reported item.
- Where it can be identified that non-compliance has occurred, in violation of a submitted RAMS, the sub-contractor will be immediately advised and corrective action request given. The Site Manager will be responsible to enforce the corrective action.

Neighbourhood Communication

Full disclosure of the Site developer and contractor are displayed at the site entrance with telephone contact numbers for reporting of any infringements or concerns. The site is (during normal working hours) supervised by the Site Manager, or his appointed deputy, so that all incidents / reports can be immediately controlled, rectified, should the need arise.

General Action Points

- The Principle contractor and any Sub-contractors to submit method statements for works to Bellway prior to any works being carried out.
- Method Statement to include Risk Assessment Dust Control Measures for potential dust generating activities.
- Site Managers to store and record Method Statements and maintain site inspections to ensure compliance.
- Sub-Contractor to maintain Control and supervision and of implementation of plan.
- Toolbox talks by Principle Contractor.

Activities requiring dust control measures

- Site Set up and formation of site compounds and storage areas.

- Site Haul Roads.
- Site Stripping.
- Foundation excavations and removal and storage of excavated material.
- Materials import and laying/compacting/levelling/ finishing.
- Vehicular movement.

General Control Measures

Construction of Haul Roads, site strip, excavations and traffic movements:

- Damping down of haul routes with water.
- Damping of areas where tracked plant are working
- 5mph limit around site.
- Hard landscaping of haul routes or use of a suitable dust suppressant.
- All loads leaving site to be covered.
- Use water as dust suppressant.

Noise

Due regard to the Code of Practice – Control of Noise from construction and open sites BS 5228 (2009) is to be made:

- Vehicles will not be left to idle or be revved unnecessarily.
- Working hours will be strictly adhered to.
- Any drilling or cutting of concrete will be behind a barrier.
- Any workers undertaking or in the vicinity of noisy works will wear the appropriate PPE.

Where the worker and/or Site Manager believe a disturbance may be caused, the Site Manager will make contact with the nearby property owner/resident to inform them of the intended works and their duration, and if required what measures are being employed to mitigate.

Where any complaint is received from neighbouring properties, the immediate action will be to stop works and review the method. All reasonable steps will be taken to minimise the disturbance.

No outside radios or music will be permitted.

Vibration

There are no works intended that will cause or create undue vibration to any nearby property.

Where the worker and/or Site Manager believe a disturbance may be caused, the Site Manager will make contact with the nearby property owner/resident to inform them of the intended works and their duration, and if required what measures are being employed to mitigate.

Where any complaint is received from neighbouring properties, the immediate action will be to stop works and review the method. All reasonable steps will be taken to minimise the disturbance.

Workers are required to undertake a site induction; this does include basic information on personal welfare such as the dangers of vibration white finger.

4.0 Storage, Collection and Disposal of Rubbish

Storage

Where rubbish or waste is produced, Bellway Homes provide skips through a specialist skip hire provider. The segregated waste categories are:-

- Timber
- Compactable (General)
- Inert
- Hazardous

Collection

When required the specialist skip provider will be called-in by the Site Manager to collect the skips.

Disposal

The specialist skip provider will take the waste to the relevant location be it waste recycling centre or landfill. It is a requirement of Bellway Homes that a report is made by the specialist to advise of the volumes and percentages of waste produced.

Some waste is taken off site by the producer (where relevant according to the sub-contract).

Each sub-contractor is required to keep a tidy workplace, where the sub-contractor is clearly responsible they will be asked to clear it themselves. However, as and when required the Principle contractor will have a general labourer employed to walk the site and collect any stray waste materials.

5.0 Measures to Control and Prevent Pollution of Groundwater

Storage and Use of Products which may pollute

The following requirements shall be implemented where quantities in excess of 200 litres (44 gallons) of any form of oil (diesel, petrol, lubricants etc.) are to be stored on site:

- Containers are to be structurally sound and strong enough to prevent leakage under normal circumstances.
- Containers must stand within a secondary containment system such as a bund or drip tray for drums.
- Storage facilities to be located away from areas of special vulnerability (i.e. 10 metres from watercourses, 50 metres from bore holes) and sited to prevent accidental damage.
- All valves, fittings and other related equipment to be situated within the containment system.
- Bunds to be a capacity of 110% of the total storage capacity. Drip trays to have a capacity of 25% of the drum capacity.
- Minimum clearance from storage container to sides of bund = 750mm and 600mm below.
- Bunds to be impermeable to oil and water and must not be penetrated by its drainage system.
- Filling and draw off points to be secure and protected from unauthorised use.

6.0 Measures to protect existing natural features

Tree protection fencing to BS 5837 has been installed as advised by an arboriculture consultant. The Arboriculture Method Statement and Tree Protection Plan will be implemented. Full adherence to that document will be a requirement of our working practices.

An ecological mitigation strategy has been agreed. Adherence to the approved version of this document will be a requirement of our working practices.

7.0 Re-use of on-site materials and spoil

It is the intention that all the sub-soils and top-soils will be re-used in the formation of the final levels of the site and to dress open spaces for planting.

The volume of materials intended for re-use will be monitored periodically. If it becomes clear that disposal of materials is required, this will be dealt with by the Groundworks Contractor.