Gallifordtry Partnerships

GREAT HOWARTH

Construction Method Statement

December 2018



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1. Introduction

1.1. Background

As part of the project, Galliford Try Partnerships will clear the existing site of any relic foundations, vegetation and investigation, along with design and construction of 39 new build dwellings 2 storey houses and associated landscaping and external works.

1.2. Objectives

The Construction Method Statement has been prepared for the above Development and sets out Galliford Try Partnership's ability to carry out the works in the optimum time, in the most viable and safe manner to achieve a completed project to the satisfaction of all parties involved.

The objectives of the Construction Method Statement are to establish Galliford Try Partnership's approach to the construction of the development with particular attention to the following matters:

- Site Establishment and Hoarding;
- Access and Parking:
- Loading and Unloading of Plant and Materials;
- Storage of Plant and Materials;
- Wheel Washing Facilities;
- Control of Dust and Dirt;
- Waste Management & Recycling;
- Noise and vibration;
- External Lighting used during construction;
- Prevention of pollution to watercourses.

1.3. Brief Description of Works

The Development will comprise;

Site clearance, design and construction of 39 two storey houses with associated Landscaping and external works, including all necessary site works, roads, car parking, paving's hard and soft landscaping, drainage, services and infrastructure works.

2. Management Structure

2.1. Procedures

The construction of the Site will be implemented and managed in accordance with Galliford Try's Partnerships' management structures, processes and procedures throughout the duration of the delivery of the Site.

All works procured in relation to the Site will be in accordance with OHSAS 18001 Occupational Health & Safety Management System, ISO 9001 (Quality) and ISO 14001 (Environmental) management systems standards.

2.2. Site Management

Galliford Try Partnerships development sites comprise a core team of site-based management and staff along with a team of selected sub-contractors and suppliers. The following core members of staff will deliver this Site:

- 1no Site Manager
- 1no Assistant Site Manager
- 1no Quantity Surveyor
- 1no Fork Lift Driver
- 1no Labourer (part duration)

A Build Manager will be responsible for the overview and management of the site based team, and will visit the Site on a regular basis to manage delivery of the build programme and compliance with all requirements and standards.

2.3. Times of construction activities on site

Construction activities will take place at the following times, unless alternative hours are specified by the planning authority:

- Monday - Friday: 08:00 – 18:00
- Saturdays: 08:00 – 13:00
- Sundays: No works planned presently
- Bank Holidays: No works planned presently

3. Method Statement

3.1. Site Establishment and Hoarding

The establishment of the Site, compound, welfare facilities and general site set-up arrangements are implemented in accordance with Galliford Try Partnerships standard processes and procedures, and the company quality assurance procedures, accredited to ISO 9001:2008.

Access to the Site will be taken from Great Howarth.

Galliford Try Partnerships processes and procedures ensures the establishment of a build route and location of site compound area to ensure that on site works are safely and securely (segregated as far as is physically possible) from residents and potential purchasers visiting the sales area.

The Site will be secured, and all visitors will be directed to the site compound to report to the site manager. The compound and welfare facilities will be located around plot 15-22, Pedestrian walking areas and dedicated crossing points will be provided on site as indicated on the Traffic Management and Logistics Plan ("the Plan") attached in Appendix 1.

The Site will be secured with herras fencing and / or timber hoarding to suit the scheme and fitted with the appropriate warning and information signage. This fencing will be provided to the perimeter of the Site at the commencement of the development and until the scheme is complete.

3.2. Site Access and Parking

The access on to the Site will be via Great Howarth which is an adopted road which provides for a suitable surface for all plant and deliveries. Wheel washing will be done on site by use of a jet wash and road sweepers will be used on a regular basis and as required to keep the surrounding highways clean and safe throughout the construction phase of the development.

All visitors to the site including subcontractors and suppliers will be provided with information showing the access, egress and parking arrangements for the Site as part of their works order. Confirmation of such matters will be presented through the site induction process to confirm these arrangements

The parking of all site operatives and site visitors will be provided within the site area, as indicated on the Plan (Plots 15-22).

3.3. Loading and Unloading of Plant and Materials

Construction plant and materials will be delivered to the Site via the site access off Great Howarth with a single point of access to the Site, sufficient provision will be made where possible for the safe turning of HGV's will be at the turning point as per plan.

If vehicles must be reversed out of the site, then qualified banks men will be used. All activity relating to loading and unloading of plant and materials will take place within the perimeter of the Site only whenever possible, and no existing roads will be affected.

3.4. Storage of Plant and Materials

All plant and materials delivered to the Site will be stored in dedicated areas within the perimeter of the Site, which will be protected by fencing.

3.5. Wheel Washing Facilities

Wheel cleaning facilities will be provided on Site to deal with general vehicles leaving the Site, ensuring, as much as practically possible, that soil is not transferred from the Site onto the adjacent adoptable highway.

In addition, road sweepers will be employed if necessary, to ensure the existing roads leading to and from the Site are kept in a clean and safe condition. During the period of build when earthworks operations are ongoing, the frequency and duration of the use of road sweepers will be increased if required.

With the existing highway being used for access and egress to Site and with the measures outlined above, dirt being carried on to the nearby adopted highways will be kept to a minimum.

3.6. Control of Dust and Dirt

Nuisance Management

All site health and safety matters are managed in line with our OHSAS 18001 accreditation, including proactively managing the impact of demolition and construction works on the local community and minimising hazards wherever possible.

As a considerate constructor, we are aware that dust can cause nuisance and as such, dust management forms part of our Nuisance Management Policy (HS&E-STD-N02) and will be managed in accordance with company policy.

Contractors must ensure that dust created by their work activities does not affect the health of other workers, residents and members of the public. Within the toolbox talks, site based operatives are regularly reminded of the following key points:

- Keep surfaces swept and damp down with water at regular intervals;
- Minimise drop heights into haulage vehicles and into conveyors;
- Ensure cutting and grinding operations are adequately shielded or wetted;
- Sheet lorries carrying dry materials off site;

- Keep to site speed limits to minimise dust;
- Use of wheel wash, for appropriate vehicles, if one is provided on site;
- Store fine, dry materials within buildings or provide adequate protection from the wind;
- Store bulk cement and bentonite in silos;
- Position silos and stockpiles away from residential areas or watercourses; and
- Clean up or damp down any spillage of dry dusty materials.

Site Operatives

All contractors carrying out activities such as mechanical cutting and grinding of stone, concrete and site transport that create substantial amounts of dust must ensure the following hierarchy of prevention is implemented:

- Adequate ventilation provided, or
- Water suppression system used, or
- Local ventilation system (vacuum) system used;
- Vacuums used wherever possible.

In addition, a dust mask to p3 standard must be worn by the operators of machinery creating the dust by persons carrying out sweeping up activities.

Where the above hierarchy cannot be employed those exposed to the dust must wear Respiratory Protection Equipment (RPE) – to grade APF 40 full face respirator with filter to p3 standard.

3.7. Waste Management and Recycling

Across all our development sites, the Galliford Try Group implements a Waste Management Policy (HS&E-STD-W01) which is managed in accordance with company policy.

A detailed Site Waste Management Plan (SWMP) will be produced and implemented on site prior to commencement of construction works, ensuring the recycling and efficient disposal of waste. Facilities for managing waste and recycling will be provided within the perimeter of the Site.

The Site management team will adopt the following waste hierarchy in the development of appropriate mitigation control measures (as contained within the SWMP) to reduce the amount of waste sent to landfill and promote recycling:

- Reduce: Adopting site practices that reduce the potential to generate waste e.g., secure storage of raw materials and avoidance of over ordering practices;

- Reuse: Using a product or material more than once in its original form, for its original purpose or for an alternative, with or without reconditioning e.g., reusing wood pallets or returning empty toner cartridges;
- Recycle: Recovering value from a product or material that would otherwise be discarded e.g., use of secondary aggregates or chipping plant matter for landscaping purposes;
- Disposal: Discarding wastes either by incineration or landfilling.

The Site Management Team will ensure that any waste is kept safely and appropriate actions are taken to prevent it from being discharged to the external environment. The Site Management Team adopt appropriate control measures to assure the environmentally responsible storage of waste, which may include:

- Storage in designated areas;
- Provision of good quality waste containers;
- Protection of waste containers from damage;
- Location of waste containers away from surface / foul drains and watercourses;
- Provision of adequate bunding (if/where required);
- Use of covered skips, were necessary, to prevent the escape of site wastes;
- Provision of adequate containers to allow for the mandatory segregation of dry recyclables i.e., glass, metal, paper, cardboard and plastic;
- Labelled waste containers i.e., labels that specify their contents.

The Site Management Team will ensure all waste is appropriately segregated per its reactive characteristics and, as a minimum, non-hazardous and hazardous wastes should be segregated. All containers used to store waste will be regularly inspected, as part of HS&E site inspections conducted by site personnel and HS&E Advisors, to ensure compliance with the above requirements.

3.8. Noise and Vibration

We require that contractors must ensure that plant and machinery brought onto the Group's sites are in good working order, and are suitably fitted with noise reduction measures. The assessed level of noise of the plant / machinery will be provided by the supplier / owner, and this will be made known to those who may be affected.

Where it is not practicable to reduce noise to an acceptable level, the Principal Contractor will arrange for 'Noise Protection Zones' to be established, with noise warning notices displayed. All persons entering these areas must wear suitable hearing protection. Contractors will be responsible

for ensuring their workers are provided with the suitable hearing protection, and have received information, instruction and training on noise hazards.

Contractors must cooperate with the Principal Contractor in compliance with any noise levels and periods of permitted noise activities laid down by local authorities, which are necessary to prevent noise nuisance pollution.

3.9. External Lighting used during construction

External lighting will be utilised where required throughout the build period, however, when used:

- Site lighting will be appropriate to the work required;
- Lighting will be positioned properly and directing it downwards;
- Lighting will be switched off during periods of site inactivity;
- Where possible, the site fencing or hoarding may be used to screen site activities.

3.10. Prevention of Pollution to Watercourses

All existing water courses will be considered within our environmental construction plan for the scheme.

Appendices

Appendix 1 - Traffic Management and Logistics Plan