

Whalley Rd, Barrow, Clitheroe

CONSTRUCTION METHOD STATEMENT

Mulbury Homes



Revision	Revision Date	Editor Name	Position
REV 1	7.11.19	Will Allman	Contracts Manager
REV 2	11.11.21	Stuart Kirby	Contracts Manager

Contents.

Section	Topic
1.0	Work Procedure & Control Measures
2.0	Hazards
3.0	Site Location & Operating Hours
4.0	Site Establishment Plan
5.0	Construction Programme
6.0	Roles and Responsibilities
7.0	Contractor & Visitor Information
8.0	Environmental Assessment
9.0	Ecology
10.0	Monitoring

1.0 Work Procedure & Control Measures

All works to be carried out in accordance to the risk assessments in place.

Identification of any conflicts of other working groups or work activities operating within the same area and specify communication and liaison arrangements to control additional risks.

Work area to be securely cordoned off to prevent unauthorised access.

All workers to undertake site induction prior to commencing work.

1.1 - PPE

PPE to be worn at all times on site. **X**

					
☒	☒	☒	☐	☐	☐
Safety Boots	Hard Hat	High Viz Clothing	Gloves	Ear Defenders	Dust Mask
					
☐	☐	☐	☐	☐	☐
Eye Protection	Harness	Face Shield	Overalls	RPE	Other

Other PPE:

Additional PPE is required for certain activities as indicated by specific risk assessments.

1.2 - Training

Only qualified / certified or otherwise competent personnel will be permitted to undertake the work. All operatives are to receive training on manual handling techniques, asbestos awareness and work at height. All workers to undertake site induction prior to commencing work. Toolbox talks will be carried out at monthly intervals during the works to raise awareness of relevant H&S issues.

1.3 - Access

Work at height will be eliminated where possible, through changing work procedures or using alternative equipment. Step ladder and ladders are only to be used for access and short duration work, and only when there is no suitable alternative such as full access scaffolding, tower scaffold or MEWP. Tower scaffolds to be erected by PASMA trained operatives. MEWPS to be used by suitably trained operatives (e.g. IPAF). Access equipment will be securely stored at the end of each shift to

prevent unauthorised use. Exclusion zones will be established in the area below any overhead works, using suitable barriers and signage, to protect people below from risk of any falling tools or materials. Employees forbidden from entry into unsupported trenches. Where access into the trench is required safe means of access, e.g. fixed ladder, provided. Access equipment will be securely stored at the end of each shift to prevent unauthorised use. Exclusion zones will be established in the area below any overhead works, using suitable barriers and signage, to protect people below from risk of any falling tools or materials.

1.4 – External Work

External work prohibited during extreme weather. External work at height also prohibited in icy conditions. Operatives to be warned of the dangers of skin damage prior to external work. Operatives must wear appropriate clothing to protect skin and must apply sufficient sun protection when exposed to UV rays. Work area to be segregated from any pedestrians or traffic and signs erected to prevent members of the public or vehicles coming into contact with operatives or access equipment.

1.5 - Workspace

All good practise guidelines regarding the provision of enough clear working space will be observed. Prior to the commencement of any works, enough clear working space (taking into account the nature of the work, the location in which the work is to be undertaken and the needs of any other building / site occupants) will be made available, so far as is reasonably practicable. Suitable warning signage and barriers (as appropriate) shall be positioned around the work area, to restrict other persons from entering said area. During the works, attention will always be paid to the maintenance of a clear working space. If during the works, the maintenance of a clear working space is impracticable, the person undertaking the work will liaise with the site management / principal contractor.

1.6 – Work Equipment

All current legislation and codes of practice regarding work equipment usage will be complied with. Only those persons who have received suitable and sufficient instruction and training will be permitted to use work equipment. All work equipment to operate on 110v. Any mains powered 240v work equipment will operate, via a transformer or other power reducing device, at a reduced voltage of no more than 110v. Prior to using any item of work equipment, it will be inspected to ensure that it is in good condition and unlikely to cause injury or harm to any person as a result of its correct usage. Equipment guards to be correctly fitted before use. All personnel are advised to check tools before each use and to take unsafe equipment out of service immediately, for repair or replacement. Periodic testing and maintenance of all equipment carried out in accordance with regulations and manufacturer's instructions. When not required for immediate use, all items of work equipment will be securely stored so as to prevent any unauthorised use or accidental contact with any sharp / rotating blades.

1.7 – Work at Height

All current legislation and codes of practice regarding working at height will be complied with. Suitable access equipment will be selected to provide a safe working platform (taking into account

the task, the duration of the platform use and the location in which the platform is to be used) shall be employed whilst undertaking any work at height and will be subject to inspection before and during its use. Any fragile materials / structures / areas to be protected and covered to prevent falls through materials, with barriers and safety netting to be fitted as required. Suitable access shall be provided to the working platform and will be subject to inspection before and during its use. All working platforms are to be correctly fitted with guardrails and toe boards before use. If there is still a risk of people falling from the platform a harness with a short work restraint lanyard must be secured to a suitable manufacturer provided anchorage point within the basket to stop the wearer from getting into a position where they could fall from the carrier. Suitable barrier edge protection shall be employed where necessary. Suitable warning signage and barriers (as appropriate) shall be positioned around the work platform base / danger area, so as to prevent unauthorised access. Only those persons who have received suitable instruction shall be permitted to undertake work at height.

1.8 - MANUAL HANDLING

All manual handling will be minimised through the provision of mechanical aids where practicable. Where possible materials will be supplied in loads under 25kg. Operatives are not expected to handle loads any items weighing more than 25 kg on the site without assistance. If items above 25kg are to be lifted, or unusual, unstable or hazardous items, the supervisor / site manager will determine a safe method of handling through completing a risk assessment and specifically instruct nominated individuals. Any items or loads above 25kg to be handled through mechanical aids or team lifting. The following manual handling general precautions will be taken: Deliveries and materials handling will be planned to minimise the extent of manual handling of materials. Routes by which materials have to be carried by hand will be checked for, and kept free of, obstructions. Appropriate PPE will be worn to make sure that materials can be handled safely, e.g. gloves and safety footwear. Two or more operatives will carry larger or heavier items.

2.0 Hazards

Hazards Associated with Activity:	Underground Services Site Plant Use of Hand Tools COSHH Manual Handling Falls from Height Excavations Site Traffic and Vehicles Waste Management
Site Specific Hazards:	Working with other trades on site External works Underground services located close to work area

Risk assessments will be carried out for the activity and attached to this method statement, will form part of the induction and must be followed on site.

3.0 Site location & Operating Hours

The proposed residential development is to construct 23 dwellings, with access, parking and associated landscaping on the behalf of Trafford Housing Trust. The Site is in Barrow and within the administrative boundary of Ribble Valley borough council. The site is situated approximately 1.2 miles south Whaley and 2.1 miles north of Clitheroe. The plot extends to 0.963 hectares (2.38 acres) in total and comprises of a restaurant and parking which is no longer fit for purpose.

The site is bounded to the north by Barrow primary school and the south playgrounds and residential properties. In terms of the local highway network, the site access is via via the A59, turning onto the A671 at the Clitheroe roundabout and then down Whalley Road to the site

There are no hospitals or care homes within 200m of the development boundary, however Barrow Primary school is within close proximity to the north boundary of site.

In Figure 1 below this document refers to the proposed development detailed above.



3.2- Site Operating Hours

The proposed operating hours are outlined below. During the construction period it may be necessary in exceptional circumstances to work outside the prescribed working hours. Should this occur, the hours and duration of these works will be subject to consultation with Ribble Valley Borough Council.

Official site working hours would be:

07:30 – 18:00 Mon to Fri

08:30 – 14:00 on Sat

Sunday/Bank Holidays: No Work Permitted.

3.3 – Delivery Times

Deliveries will not attend between the following hours: 8:30am-9:30am and 2:45pm to 4:00pm. All suppliers and Subcontractors will be notified in writing, prior to orders being placed.

In order to maintain these working hours, contractor(s) will require a period of 30 minutes before and at the end of the working shift to start up and close down the works activities.

4.0 Site Establishment & Logistics Plan

4.1- Site Establishment

Due to the residential location of the development consideration will be given to site logistics, deliveries, material distribution and construction activities to minimise the effect on the local community. A transport assessment has been undertaken to assess the current and proposed traffic route suitability. The scheme will comprise of office and welfare facilities for the Contractors staff, sub-contractors, visitors and the client. The facilities will consist of an office with meeting room, a canteen, drying rooms and WCs. All site facilities will be in accordance with Schedule 2 of the CDM regulations 2017.

The compound and site perimeter will be demarcated and secured by a solid construction perimeter fencing or hoarding and monitored by CCTV or manned guard.

Traffic Management systems will be implemented in line with the traffic management plan (TMP) as necessary to demark site traffic routes, works access and egress, pedestrian segregation routes, footpath alterations and road and pavement closures. There will be temporary closures of the footpath and highway throughout the project on Whalley rd via direct liaison with the local highway's authority at Ribble Valley. This information will be available within the site office and canteen.

4.2- Construction Traffic Measures

The following traffic management measures should be observed:

Delivery vehicles will access site via Whalley Road. Specifically Heavy goods vehicles will follow a designated route, via the A59, turning onto the A671 at the Clitheroe roundabout and onto Whalley road, which will be communicated to each supplier & subcontractor as part of their order. They will supply and remove materials from site using the varied transport links. In circumstances to reduce vehicular movements, deliveries will be made direct to the work zone to mitigate double handling and double vehicular movements.

Deliveries will not attend between the following hours: delivery vehicles cannot attend site be altered to the following 08:30-09:30 and 14:45-16:00. All suppliers and Subcontractors will be notified in writing, prior to orders being placed, and to avoid peak public traffic hours to reduce traffic congestion and nuisance to the existing road and highway network.

To avoid construction traffic congestion and nuisance to the surrounding area all suppliers and contractors will be made aware of traffic routes.

Site entrances will be maintained and kept clean and clear. There will be a road sweeper in operation when required and in line with the works activities to ensure no mud is left on the live highway or accessing water courses as a direct result of the works.

Clearly marked turning and manoeuvring areas will be within the site boundary and clearly demarcated shown on the TMP.

For environmental and road safety all materials containers leaving site will be appropriately covered to avoid soiling of the roads and highway. Engines of all vehicles, mobile and fixed plant on site are not left running unnecessarily.

Using low emission vehicles and plant fitted with catalysts, diesel particulate filters or similar devices.

Using ultra low sulphur fuels in plant and vehicles where possible.

Plant will be well maintained, with routine servicing of plant and vehicles to be completed in accordance with the manufacturer's recommendations and records maintained for the work undertaken.

All project vehicles, including off-road vehicles, will hold current MOT certificates, where applicable and where required due to the age of the vehicle and that they will comply with exhaust emission regulations for their class.

4.3 – Road Sweeping / Wheel Wash

- Regular road sweeping will take place as and when necessary to keep the highways clean, when site operations require such (for example movement of earthworks wagons).
- A mobile Jet-wash shall be provided, to be used at the site entrances to ensure any mud or debris is not carried out from site onto the highway via vehicle wheels leaving site, as per the traffic management plan.

4.4 – Delivery route and Vehicle type

To avoid construction traffic congestion and nuisance to the surrounding area all suppliers and contractors will be made aware of traffic routes and surrounding area.

The main routes the suppliers will use are the following:

Access site via Whalley Road. Specifically Heavy goods vehicles will follow a designated route, via the A59, turning onto the A671 at the Clitheroe roundabout and onto Whalley road, The vehicles predominantly present on site will be cars and vans with a light goods classification.

4.5 – Large structure deliveries

Any large structure deliveries will be subject to assessment by a competent person. Consideration will be taken regarding the site access, delivery method and the impact on surrounding highways. Any large structure deliveries will take place outside peak travel times and where reasonably practicable access will always be maintained to residents. If there is potential for the access to be affected the residents will receive sufficient written notification prior to the delivery taking place.

4.6- Storage of Plant & Materials

All materials will be loaded within the site compound/boundary of the working zone to minimise congestion. The materials will be stored within a material compound or within the onsite storage containers. No Plant movement will be allowed outside the site boundary unless prior arrangements are in place with the local authority. The plant expected on site includes FLT, excavators, dumpers, rollers, piling rig, mobile crane. All plant will be secured at night to prevent unauthorised use.

4.7- Site Parking Arrangements

The site parking provision will consist of a suitable area in close proximity to the site compound, located on the former pub footprint following the demolition works.

A temporary arrangement with the parish has been agreed for use of the existing carpark for the initial 3 week duration whilst demolition works are completed. Consideration has been made to ensure this area is located in an area programmed to be developed towards the latter stages of the construction phase of the development. The car park will be clearly displayed on the site TMP located in the site office and canteen. The details will be explained to all personnel during their site induction process.

4.8- Erection & Maintenance of Security Hoarding

The site will be secured by a mix of solid hoarding and Heras temporary fence panels. Relevant pedestrian and vehicle access gates will be incorporated to meet the site and health and safety regulation requirements. The delivery and personnel access gates will be controlled by the Site Management team. The site will also have a CCTV system installed and a guard if required. The fencing will be maintained to a high standard throughout the development and will be checked, maintained in line with temporary works procedures and recorded within the site managers weekly site tour.

4.9- Crane Position

Mobile Crane use on this development will be minimal and the works nature is short duration. Considerations will be made regarding the crane size and time restrictions when programming the works on site. All crane lifting procedures are regulated via a lifting plan completed by qualified personnel.

4.10- Temporary Lighting

Due to the nature of the works and surrounding residential properties no perimeter lighting will be provided, the lighting will be provided by existing street lights. Temporary lighting will be required within the compound and will be managed via timers to minimise the effect on surrounding residents. Task lighting will be used on a need by need basis in the form of florescent strip lighting, this lighting will be switched off during non-working hours.

4.11 - Access to Existing Properties & Business

The current proposal considers the possible impact on the local residents and businesses and has management procedures in place to minimise them. Residents and businesses will always be given

priority, this will be communicated to the workforce and delivery companies from inception to completion of the development.

4.12- Faced Access

Plot perimeter scaffold will be required throughout the development to allow construction works to progress. The scaffolds will be designed and erected by qualified competent operatives in line with legislative erecting and dismantling methods. The scaffolds will be inspected by a competent person at practical completion and following any break in site presence and after adaption. All works will be undertaken within the site boundary.

4.13- Construction Methods

The method of construction of the plots will consist of:

- Tree clearance by approved contractor.
- Remediation programme to be completed by approved contractor.
- Road sewer formation from Whalley onto site.
- Installation of gully protection to prevent detritus discharging from site
- Foundation installation
- Block and beam slab floor construction
- Traditional brick and block external envelope
- Timber trussed roof with a felt and concrete tile covering.
- UPVC window and door systems
- Internal timber walls clad in plasterboard with plaster skim finish.
- Internal finishing's
- External plot service installation, footpath formation and plot landscaping.
- Topping of footpaths and highways
- Adoption by local authority

5.0 Construction Programme

5.1

The detailed Construction Programme will be made available for review in the site office.

6.0 Roles & Responsibilities

6.1- The Site Manager is responsible for:

- Ensure the site and all stored materials and chemicals are safe and secure.
- Ensure F10 notice, signage indicating where and whom visitors should report to are clearly displayed.
- The site is kept in a tidy and orderly fashion. Waste will be managed in conjunction with Mulbury procedure as applicable.
- Controlled access arrangements as so those entering site may avoid hazards.

- Emergency egress arrangement so those leaving site in the event of a pollution or spillage incident may do so safely.
- There are First Aid Facilities and appropriately trained First Aid staffs, spill kits are available and appropriately trained staff.

Ensure all those that work on site:

- Have a Mulbury Site Induction including briefing on environmental issues pertinent to the project and relevant toolbox talks.
- Understand and obey the Site Rules.
- Are made aware of the Emergency egress arrangements, Muster points, First Aid facilities and First Aiders, spill and clean up procedures.
- Read and understand the site hazard board.
- Have current certification for activities as required.
- Are aware of all environmental matters which arise on site.

Ensure the activities on site:

- When necessary are carried out under Client Operational Safety Rules.
- Have, task specific risk assessments and method statements (RAMS) in place identifying any environmental issue which may be applicable.
- Are carried out in accordance with the requirements of any associated RAMS.

6.2- The Contract Manager is responsible for: -

- Ensuring that the Construction Phase Plan, Construction Method Statement and Construction Environmental Management plans are developed & held on site and that it is implemented throughout all phases of the project. Ensuring the CPP, CMS and CEMP details are updated as and when relevant information is provided.
- Maintaining the CPP, CMS and CEMP and ensuring that all contractors and visitors comply with it.
- Ensuring that environmental issues identified within the Pre-Construction Information and the pre-construction site surveys and relevant information gathered from agencies, local councils etc are addressed.
- Producing environmental project specific controls for all significant risks identified and implementing control measures to minimise the risk of damage to the environment.
- Communicating the CPP, CMs and CEMP and other related document to employees, contractors and client representatives.

6.3- Contractors and visitors to the project will be responsible for: -

- Ensuring that the control measures identified from environmental surveys are implemented as they are relevant to their work / visit.
- Ensuring that the project management team are notified of any nonconformance of control measures or environmental incident where the environment has been put at risk.

6.4- The site HSEQ Advisor is responsible for:

Ensuring work is carried out:

- In a safe manner.
- In accordance with any manufacturers' instructions etc., good standards of workmanship.
- Ensure site staff are working in accordance with agreed Risk Assessments and Method Statements (RAMS) particularly where activities have the potential to cause environmental harm.
- Health and safety advisor to complete the site waste management plan and ensure it is followed.
- Ensuring that the CEMP is implemented throughout all phases of the project.

Monitoring HSEQ issues by:

- Weekly checks and "toolbox talks" carried and recorded.
- Weekly site audits.
- Consulting workers on the effectiveness of measures to reduce risk to the environmental, reviewing and improving conditions or methods/procedures where appropriate.
- Keeping records of and reporting any incidents and close calls (near misses).

7.0 Contractor & Visitor Information

7.1- General Information

All contractors and visitors to the site will be made aware of the Site rules, Environmental policy and the controls applicable to their presence and activities on site including but not limited to:

- Method statements
- Risk Assessments
- Site induction which include Environment briefings
- Tool box talks.

7.2- Information Management

The Site Manager and Contracts Manager will be responsible for monitoring communications between all relevant parties to the project ensuring that all environmental matters to the project are discussed and managed and observation of the communications will be documented in the weekly site meetings and sent by e-mail.

7.3- Displayed Information

Relevant site contacts, developer contacts, layout and location plans/ CDM drawing detailing the location and construction of the site compound, storage locations and car parking are to be displayed on an information board at the site entrance.

Regular resident update letters are to be distributed to surrounding residents and businesses providing quarterly updates, and updates prior to significant works such as piling or road closures.

8.0 Environmental Site Assessment.

An Environmental site assessment has been undertaken on behalf of Mulbury by environment energy engineering partnerships (E3P) consultancy. This assessment and subsequent report was completed to satisfy the requirements outlined for planning permission and the national planning policy framework (NPPF).

The assessment examined the following:

- Noise & Air Quality
- Archaeology & Cultural Heritage
- Landscape & Land Use
- Ecology
- Geology & Soils
- Materials
- Community Effects & Vehicular Travellers
- Drainage & Water Environment
- Waste
- Sustainability

9.0 Ecology Assessment

This development has had an Ecological Survey detailed in section 8, considering key features and habitats within the phase of construction and mitigation in accordance with the principles in the approved Protected Species Mitigation Strategy, this is to be submitted to and approved in writing by the Local Planning Authority. The development of that phase is to be completed thereafter in accordance with any mitigation measures (a Protected Species Mitigation Scheme) required by the submitted survey.

The survey examined the following:

- Bats
- Badgers
- Reptiles
- Great Crested Newts
- Birds
- Trees & Woodland
- Invasive & Injurious Plant Species

When the ecological survey and assessments were undertaken, it was discovered that no Priority Habitats are present within the site.

10.0 Monitoring

10.1 Site Waste Management Plan

Kenny Waste are our preferred partner for the control of Mulbury waste management, giving consistency of reporting across our organisation. We have access to our account via an online portal, which enables us to track our waste streams. This gives us an instant audit trail and helps us reach our waste recycling targets.

A site waste management will be operated to enable the recording and monitoring of all waste streams, recycling, energy consumption and FSC timber usage. The information obtained can be used against industry benchmarks to record actual waste production with a view to implement waste minimisation actions, forecast waste amounts and produce duty of care notes.

All waste streams will be segregated where possible on site before being removed by a licensed carrier. Any mixed waste will be processed at a licenced transfer station to segregate and assist with recycling/reusing waste to avoid land fill.

10.2 Dust Control

Dust generated through all work activities will be controlled at the source, so far as reasonably practicable using recognised methods and in line with legislative requirements.

10.3 Control of Detritus

To control material being transferred onto local roads or accessing water courses at the development's infancy appropriate measure when installing sewers and forming roads need to be implemented, Bunting and tankering of existing sewers, scraping of roads once formed, installing driveways to plots and applying an appropriate planned TMP. Further controls to gully's will be installed, a filter bag system that will be maintained regularly.

10.4 Vibration & Noise

Risk Assessments and Method Statements (RAMS) from contractors will be scrutinised and authorised before work commences to ensure the requirements Noise and vibration statutory nuisance are controlled under the Environmental Protection Act 1990 are understood, factored into working methods and adhered to. If any significant works such as piling are to take place, a newsletter will be distributed to surrounding residents and businesses advising them of the operation and the duration.

10.5 Water Consumption

Reduce the risk of uncontrolled water use: e.g. sensor-actuated devices (such as infra-red actuated taps and occupancy sensors).

Minimise the risk of leakage: leak detection equipment (including pulsed meters for regular monitoring); ensure valves and overflows are visible for early detection of water loss and easy to access for maintenance.

Influence user behaviour: Creating a culture that changes attitude and behaviour to accepting ownership of water efficiency is fundamental to improving the use of water in an efficient manner.

Good housekeeping (e.g. reporting/repairing leaks, turning off taps which are not in use, and generally using water in an efficient manner) can assist the site reduce its overall water use. The provision of information on appropriate use of fittings and appliances; awareness raising of the costs and environmental importance of water efficiency via Tool Box Talks; guidance on processes for identifying and reporting water leakage / poorly-performing fittings; method for providing feedback to building occupants on water.

