

Reference Planning Condition for Construction Methodology for New Proposed Barnsley Library

This Method Statement describes the anticipated construction methodology of the proposed Barnsley Library project this not a static document and will develop throughout the Library Project and also be regularly updated with project team input, although all revisions will be issued through the Project Manager to retain an element of control.

Proposed is to construct new building three storey library with four level rooftop terraced area, two stairwells and service risers and a lift incorporating an evacuation lift A central link to two storey cafe (ground floor café with part mezzanine seating area and roof area for public access); and a shell and core construction to the South West corner of the site to give flexible retail floors. The main library entrance has a feature double storey-height void. The building has glazed facades on all exposed elevations to the adjoining streets. The rooftop terrace has a set back from the front facades on three sides.

It identifies the likely significant phasing including the safety & environment assessment that may arise during construction, our initial proposed mitigation measures are set out in sections below. Planning for construction is at this stage focussed on the key principles and may be subject to modification during detailed construction planning.

It is not anticipated that there will be any different or new significant effects during the construction phases. If there are, then a supplemental method statement will be submitted to new or different impact. Project manager arrange initial co-ordination meeting with design team and sub-contractors providing detailed information on materials from recycle sources, reducing the commercial, environmental impact of waste disposal, and potential re-using existing site materials, Project manager will produce project specific waste reduction and resource management strategy plan detailing commercial and environmental gains to the project.

Projects manager weekly reviews levels implement waste reduction targets, design specifications, procurement, site management, waste management options contractors providing a clear understanding of waste management align with environmental management processes on the project.

Prior to starting on site a full survey of buried services will be carried out and service diversions incorporating temporary power for welfare cabins and completed to maintain service provision, as required. All excavation works will be protected appropriately. If at the detailed construction planning stage, the numbers of vehicle movements per day is materially different, it will be subject to a supplemental Method statement to update the assessment of effects.

Construction Phase Health and Safety Plan

Our Project Manager will be responsible for compiling and reviewing the Construction Phase Health & Safety Plan. This will be carried out on a regular basis throughout the works in collaboration with our proposed Site Manager and Supervisors, Health & Safety Manager and Project Planner.

Review of the CPHSP will include the following. Planned works, including Sub-Contract activities and materials usage, handling and storage Risk Assessments, Temporary Works and Scaffolding requirements preparation and implementation.

Changes to the Project that may require risk assessments and method statements to be reviewed. Review access requirements, vehicle and plant movements, Specialist requirements, COSHH, Noise and contaminated materials, Completion of statutory regulatory documents and company procedures, CDM regulations 2015 and will manage to meet requirements to: BS OHSAS 18001.

Project Risk Register

The tender stage Risk Register will be developed into a Project Risk Register, which will identify the high risk activities of the construction process and all mitigation measures.

The Risk Register details risk owners, control measures, reporting procedures and residual risk. Risks are regularly reviewed by the project team, including design, planning and construction activities. This ensures there is a consistent and systematic method to recording and monitoring risks for the project.

Project Quality Plan

The Project Quality Plan (PQP) will detail all required standards, based on the information provided at tender stage, including all design standards and specifications, as well as design team standards and requirements.

The PQP is a live document, which is amended on a weekly basis to include quality information such as concrete testing records, quality inspections and defects on completion of a package of works.

Environmental Impact Assessment

HBC's Project Manager will manage to BS EN ISO 14001, proactively working with our contractor and design partners on environment issues during construction phases ensure no pollution incidents and re-use of materials.

Our PM will act as main point of contact between the regulatory authorities and the project on environmental issues coordinating and manage activities during the construction phase development and review the construction Environmental Impact Assessment Plan including method statements, instructions and specialist procedures for environmental aspects prior to work commencing on all phases of the project.

HBC's Site Manager will monitor construction activities and report performance to the PM to ensure control measures are effective and ensure compliance with our culture of environmental responsibility.

Parking of vehicles of site operatives & visitors

Operatives & Visitors parking during the construction phase will use the multi-story car park and surrounding car parking facilities sites; traffic movements generated by construction work traffic and visitors would therefore have a minimal effect on Barnsley town centre highway network infrastructure.

Means of access for construction traffic

The access and egress of construction traffic will be carefully located to minimise impact on central Barnsley in the markets area off Eldon/Kendray Streets local road users. construction vehicles will access site via Kendrary street and construction traffic entering and leaving the site will be closely monitored and controlled by a banksman and egress via Kendrary St. and Eldon St. Delivery vehicle will be subject to a booking procedure and limited to time restrictions any vehicles arriving without a booking or outside of their given time restrictions will not be accepted if having an impact on Barnsley town centre.

Weekly co-ordination will be held between all contractors and specialist supply chain partners and communicate to the surrounding properties forward schedule deliveries and major work elements phases.

The average daily number of HGVs accessing and egressing during the construction period 71 weeks has been predicted based on a 5 day working week. An average of 10 two-way HGV's is forecast if, at the detailed construction planning stage, the numbers of vehicle movements per day is materially different, it will be subject to a supplemental method statement to update the assessment of effects. On-site vehicle holding area will be provided on the propose site temporary haul road, as shown on site plan

Detail Phasing of the development; See Construction Programme enclosed)

Construction programme phasing for proposed Library project anticipated 71 weeks' period. The exact phase will be determined at construction phases and will be subject to client / design team agreement.

Initial programme has been prepared; If at the construction drawing issue design stage, the phasing construction programme differs, it will be subject to a supplemental method statement to update the methodology strategy.

Projects Manager will act as main point of contact between the regulatory authorities and the project on environmental issues coordinating and manage activities during the construction phase development and review the construction Environmental plan including method statements, instructions and specialist procedures for environmental aspects prior to work commence for all phases of the project and ensure delivery of company environmental procedure within the project team.

Loading and unloading of plant and materials

Provision will be made, to ensure that vehicle loading and unloading can be carried out on-site haul road rather than on the adjacent roads.

General operatives will assist in the unloading and distribution of deliveries and materials to ensure the site is kept clean, well maintained and in a tidy manner at all times. Throughout the construction phase efforts will be made and measures taken to minimise the impact of the works on local business's daily activities and the environment.

Storage of plant & materials used in constructing the development

Storage of materials and equipment will be carried out by a variety of methods; materials will be scheduled and delivered to site to minimise the storage requirements within the site, where possible materials will be delivered in time and unloaded directly at the workplace. Minimal storage space is limited on site; however, an area within the site boundary has been identified and will be utilised for storage of materials programme phased aligned.

Materials that are subject to weather degradation will be stored under cover or in a secure container on our Office / Welfare Accommodation Site Kendray Street; no materials will be stored close to the boundary hoarding and public areas. Materials for foundation works, including walls and flooring sundries items and reinforcement will be handled and distributed to the workplace by a combination of mechanical and manual handling for manageable items. Concrete for the foundations will be distributed from the delivery vehicle, concrete poured to the ground and first floor will generally be undertaken using concrete pump.

Large construction material elements; curtiling wall and M&E Equipment will be delivered and off loaded via mobile crane/mechanical lifting as required. Restrictions will be applied to prevent over sailing adjacent buildings or public areas for delivery and lay-down storage.

Erection & maintenance of security hoardings

In order to carry out the construction works, it is essential that compound hoarding / heras fencing will be erected on the site boundary, shown on the enclosed site logistics plan, to secure it during the contract period. These hoardings or fences will be maintained and adapted during the contract to suit the phasing of the works.

Regular progress meetings will be held with the Client and news letters will be issued to surrounding occupiers providing updates on progress and upcoming activities. Contact names and telephone numbers will be established to ensure rapid response to any emergency or unforeseen event.

These will be displayed at the site entrance as part of the considerate constructor's scheme and made available to the client contact with interested local parties will be established at an early stage and they will be kept informed at all times of current and future activities. It is envisaged that weekly meetings will be required to minimise disruption to the works and other users.

Site hoarding notice boards, toolbox talks and posters are used to convey environmental, health & safety information to persons on the project including visitors.

Wheel washing facilities

Our Proposed method of cleaning all vehicles wheels and chassis, ensuring mud and stones are not deposited on the public highways, please refer to site plan shows exit vehicle cleaning area. Initial methodology and will be developed to best practice, high power jet washing the vehicles wheels and chassis prior to leave site. and Road Sweepers used on Kendrary st. / Eldon St. works will be monitored by subcontractors and Henry Boot Construction Ltd Site management.

Project Manager will development and delivery of project environmental targets for all site personnel; including noise, vibration and dust and review of the daily site monitoring and reports

Measures to control the emission of dust & dirt during construction

The internal site work equipment will be fitted with dust suppression equipment, i.e. water bottles on Stihl saws etc. keep surfaces swept and damp down with water at regular intervals during dry weather, minimise drop heights into haulage vehicles and conveyors, ensure cutting and grinding operations are adequately, shielded or wetted, sheet over lorries carrying dry materials to or from site, keep to site speed limits to minimise dust generation, clean up or damp down any spillage of dry dusty materials, make sure dust suppression systems are working and are effective, use the wheel cleaning jet wash method, for vehicles, if one is, provided on site, store fine dry materials within buildings or provide, adequate protection from the wind to prevent the generation and migration of dust on to Barnsley town centre areas.

Vehicle driver's inspection prior leaving site A vehicle leaving site after delivery / loading point basic cleanliness checks as when leaving the site, off road conditions and if there is any likelihood of debris blowing out of the vehicle body, it will be adequately sheeted, or nets to contain the load, there are no stones, bricks, etc. trapped between tyres that could become a hazard to other road users or pedestrians, and wet loads are adequately drained.

Careful consideration will be given regarding the choice of methods of working continuity consultation will take place with specialised sub-contractors as the project progress and any necessary deviation from our original construction programme will be evaluated and incorporated on a regular basis throughout the contract.

Measures to control noise levels during construction

Site working hours 8am – 4.30pm Monday – Thursday and Friday 8am – 3.30pm, all work outside these hours will be subject to prior agreement of, and/or reasonable notice and relevant community stakeholders, Sunday Bank Holidays or Public Holidays, none working or noisy activities on site unless with specific agreement of Barnsley Council Projects Manager Noise generation will be managed to keep levels within acceptable limits.

Consideration will be given to both the methods of working and the time periods for undertaking noisy sensitive work. Plant utilised on site will be thoroughly tested, maintained in a good working order and sound attenuated used. Site managers will monitor construction activities and report performance to projects manager to ensure identified and appropriate control measures are effective and ensure compliance with company strong environmental culture.

Appropriate and practical, noise and vibration from construction activities has been assessed in the Environmental Statement. Environmental Heath Officers, and health advises would be consulted on the noise and vibration limits to be included within. It is anticipated that a scheme of noise and vibration monitoring, ensure compliance within industry limits. Activities are anticipated that may generate a significant impact, construction methodologies will be developed to minimise this nuisance. Where specific activities remain where there are no reasonable alternatives methods, detailed proposals would be discussed with the relevant documents and public liaison would be carried out.

Company Procedure provides guidance on best practice to minimise noise and vibration impacts during construction. It also advises on proactive measures that can be taken in terms of liaising with residents. The following mitigation measures could be employed on site to ensure that noise and vibration levels are attenuated as far as possible and will be considered in preparing; Best practicable means' during all construction activities, switching off plant and equipment when it is not in use for longer periods of time; Agreement with the local authority on appropriate controls for undertaking significantly noisy works or vibration-causing operations. Programming works so that the requirement for working outside normal working hours is minimised; Low noise emission plant where possible; Where feasible piling would be bored to protect sensitive sites; Regular plant maintenance.

Conclusion

The above method statement has been developed specifically to demonstrate our understanding of the project requirements and the detailed methodology required to carry out a project of this nature.

It is not however all encompassing and prior to the commencement of each stage or phase of the construction works specific method statements will be produced and agreed with the Henry Boot

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