

Construction Method Statement

Preconstruction – enabling works

Site Investigations & Surveys

A series of investigations and surveys will be required in order to provide the design team with the information they will need to progress the design and also to satisfy a number of imposed planning conditions. These will include:

- 1) Soil investigation to establish and monitor ground conditions: This will be in the form of bore holes at various depths to ascertain the type of soil present which will affect the foundation design. Percolation tests to determine soil permeability will also be carried out within the boreholes.
- 2) Environmental conditions survey: this will ascertain if there is any contamination on site, the nature of this contamination. This information is needed to produce a contamination remediation report.
- 3) Soakaway investigation trenches: This is needed to design a Sustainable Urban Drainage System, a system designed to regulate the flow of surface water drainage from the development to the public surface water drainage system.

Means of Access for Constuction Traffic and Parking for site employees

All traffic shall enter the site through St Mary's Street and proceed via the main site access route to Area 3 on the attached plan. Area 3 is reserved for parking for all visitor vehicles and site employees. Access for emergency services on site will be also be via the main site access route from St. Mary's Street. Local emergency services shall be notified of the site access location before work starts on site. No specific police requirements are envisaged. The Principal Contractor will however make contact with the police, Transport for London and the local authority on such matters as abnormal load licences and be fully co-operative with any unforeseeable matters.

Loading/Unloading Materials control and storage

HGV deliveries shall use routes and access the site via St. Mary's street as shown on attached plan. All subcontractors will be required to produce a procurement schedule for their materials which shall be monitored at their weekly and fortnightly meetings and shall book delivery slots with the Principal Contractor's traffic controller. Where possible, deliveries shall be scheduled to avoid peak hours on the public highway between the times of 0800-0930hrs and 1630-1800

hrs and to avoid local side residential roads when driving to the site. Area 2 on the attached plan shall be used for material storage throughout the construction project. One is between Regency House and the first row of houses. The delivery vehicles shall load and unload their materials at Area 2.

“Just in Time” scheduling of deliveries will, where possible, minimise storage capacity required, double handling and congestion around the site. Where “Just in Time” deliveries are not economic or practical, site storage of materials and plant shall be very carefully controlled by restricted allocation of zones to particular trades. Wherever possible materials shall be delivered shrink-wrapped and palletised to be unloaded and distributed safely by crane or hoist.

Diesel fuel for site plant shall be stored in sealed tanks inside bunded walls. The use of diesel driven plant and equipment shall be kept to a minimum. Wherever possible equipment and plant shall be electrically powered to reduce noise and prevent emissions.

The Principal Contractor shall demonstrate a commitment to safer, more efficient and more environmentally-friendly distribution by investigating the use of operators registered with a best practice scheme such as FORS (Freight Operators Recognition Scheme) organised through Transport for London. The Principal Contractor shall encourage subcontractors to source items locally, or from the same supplier, to reduce the length and number of deliveries required.

Site Security, Hoarding, Control of Persons to Site

To minimise risk and control exposure to the public, the Principal Contractor’s Health and Safety personnel shall erect and maintain decorative hoarding placed at various locations throughout the site boundaries. The decorative hoardings shall include signs such as: **NO UNAUTHORISED PERSONS ALLOWED, DANGER SITE WORKS IN PROGRESS, HARD HAT AREA. etc.** They shall also include the contact details of the Developer, the Principal Contractor, Architect and other relevant information. The site boundaries shall be sealed off with solid fences containing window openings for the public to view the site activities.

The Principal Contractor’s Health and Safety personnel shall also give advice to all site workers on all activities and all Health & Safety requirements. Health and Safety shall be diligently monitored throughout the project and reported to the client. The layout of the temporary office should allow for all staff, visitors and operatives to retrieve the correct personal protective equipment (PPE) before entering the construction areas. The majority of the Principal Contractor’s site management shall aim to be qualified First Aiders. The site shall have first aid attendance at all times.

A temporary office will be set up on site at Area 1 on the attached plan for the construction management staff. The temporary office will be powered and equipped with toilet facilities, heating and hot water, lighting and furniture for the construction management staff. Authorized visitors will enter the construction site at the security point, where they will be required to sign in. Authorized visitors to the site will not be permitted to enter the site if they are not wearing construction boots. After being approved and signing in, they will be given hard hats and yellow security jackets by the security staff. They will then be escorted by security staff to the temporary office, where they will be presented to a member of the construction management staff who will accompany them at all times during their site visit. At the end of their visit, they will be required to sign out at the security point upon their departure from the site.

The development site will also be equipped with welfare facilities for the construction workers. Portable cabin toilets will be placed on site for use by all workers. These portable cabin toilets shall be cleaned and serviced regularly or as the need arises in compliance with Health and Safety regulations. There will also be a temporary power and hot water supply for use by the workers. The temporary power supply will be grounded. Transformers will be provided to workers to step the power down to 110 volts in line with British Health and Safety Regulations. During the summer months on hot days workers will be given sun protection creams to prevent sun burns. Lifts and hoists will be provided on site for the workers to transport heavy materials to their locations.

Access to the site during the demolition and construction of the development shall be through the St. Mary's Street entrance. Access to the construction site will only be permissible to those involved in the development of the project. The normal site working hours shall be in keeping with restrictions imposed by the local Environmental Health Officer and planning requirements generally as follows: Monday – Friday 0700-1900 hrs Saturday 0700-1300 hrs Sundays and Bank Holidays Site Closed Notwithstanding these times, there may be occasions when work outside these hours may be necessary. In this event, work can only be carried out following consultation and agreement with the Environment Health Officer.

Induction / Site Rules / Consultation

Every person who works on the project shall receive a specific project induction before they are allowed to leave the compound and commence work on site. Inductions will provide an introduction to the project, a description of the project risks and a review of the individual's competency. Site access passes will only be distributed following site induction from the Principal Contractor's management personnel. All site

operatives and visitors will be inducted prior to commencement on site in a clearly defined facility without exception.

Consultation meetings with the workforce shall be considered to assess safety performance on site and review where it can be improved. The use of a 'comment box' shall be encouraged so that site observations can be forwarded and actioned in a confidential manner. Regular 'tool box talks' could be given to site operatives by the Principal Contractor and also subcontractors outlining a variety of relevant Health and Safety issues.

Wheel Washing Facilities

The wheels of delivery vehicles, (lorries, trucks, vans etc.) shall be inspected prior to leaving the site for dust and mud. A high pressure water hose located at the site entrance near St Mary's Street shall be used to clean the wheels of all muddy vehicles existing the site prior to their departure. This is to prevent mud and dust from dirtying the roads.

Measures to Control Dust and Dirt During Construction

Reduction in dust pollution and other airborne debris is to be achieved by:

- i) Establishing air quality procedures to minimise dust generation and control plant and vehicle exhaust emissions
- ii) Transporting materials to and from site in enclosed containers or fully sheeted
- iii) Damping down site generated dust during dry periods
- iv) Ensuring that all vehicles leave the site in a clean condition with covered loads where spoil material is being removed
- v) Implementing an effective procedure to deal with complaints from third parties to deal with issues efficiently and quickly, via an advised telephone number

Waste Removal, Management and Recycling

The Principal Contractor is required to produce a Site Waste Management Plan (SWMP). The SWMP shall include details of how they intend to reduce and manage site waste by:

- i) Enforcing good housekeeping measures e.g. proper storage of materials to minimise spillage
- ii) Using raw materials as per manufacturer's instructions
- iii) Monitoring the generation of waste in order to identify trends and areas for further investigation
- iv) Identifying recyclable and salvageable materials and where feasible find secondary or alternative uses
- v) Segregating waste types to facilitate recycling activities
- vi) Ensuring that all Duty of Care and other legal requirements are complied with during the disposal of wastes
- vii) Consulting with suppliers to determine correct / appropriate disposal routes for waste products and containers
- viii) Setting waste reduction targets as well as educating and informing site staff

Reliant Building Contractors Ltd, the Principal Contractor and sub-contractors are legally responsible for satisfying the Site Waste Management Plans Regulations (2008) and the Duty of Care Regulations. The Design Team and Principal Contractor shall implement a Waste and Resources Action Programme (WRAP) as detailed in the WRAP document 'Actions to reduce waste in construction projects and minor works' from wrap.org.uk. Before starting on site, the Principal Contractor shall submit a copy of a Site Waste Management Plan, identifying the actions to be taken to reduce waste, control of emission of dust and dirt, increase the level of recovery and increase reused and recycled content, and quantifying the resulting changes.

General construction waste management will be managed by the Principal Contractor. Where gypsum plaster products are used the specialist contractors will be required to arrange for recycling where appropriate.

Noise Mitigation During Construction

Noise mitigation measures shall be employed at the site to prevent nuisance to neighbors and for the wellbeing of staff and personnel working on site. All crushing of concrete shall be done between 9:00AM-5:00PM (Monday to Friday) and Saturdays 9:00AM-1:00PM. In situ concrete crushing with jackhammers will be forbidden. The concrete paving will first be removed by diggers and transported to a jawcrusher machine (for example: an Extec C12 jawcrusher or approved equal) located on site at least 10 meters away from neighboring residents. These jawcrushers have built in mechanisms to reduce noise. The Extec

C12 complies with the noise emissions regulations 1992, amended 1994. All personelle shall wear ear protection gear if they are within 10 meters of the jawcrusher. All concrete crushing shall be done as effeciently as possible with the use of these certified jawcrushers. This should accomplish the task as quickly as possible minimizing the noise impact on the public.

Reduction in noise will also be achieved by:

- i) Coordinating delivery times and efficient traffic management to prevent queues of traffic accessing the site
- ii) Providing all plant with sound protection measures (mufflers, baffles or silencers)
- iii) Utilising construction techniques that minimise the production of noise
- iv) Utilising, where possible, pre-fabricated components
- v) Adherence to site working hours

