

FRYER & GILDONE LIMITED
CONSTRUCTION MANAGEMENT PLAN

Construction of 3 residential dwellings
at
97A Lovedean Lane
Waterlooville
PO8 9RN

Revision A

15 September 2019

INTRODUCTION

This document represents the Initial Construction Management Plan for the proposed new dwellings at Lovedean Lane, Waterlooville. The project comprises the construction of 3 new two storey residential dwellings. The project will be in one phase which will be the construction of the 3 buildings including fit out and external parking, access and landscaping.

The Plan has been produced in accordance with the Construction (Design and Management) Regulations 2015 which came into effect on 6th April 2015 and also the Approved Code of Practice 'Managing Health and Safety in Construction' which came into effect on 6th April 2015.

The developed plan will be discussed with the Principle Designer and approval will be obtained before work commences on site. This plan will be incorporated into the site safety file where additional Health and Safety information is collated and gathered as project develops further. Information such as Risk Assessments, safe systems of work, method statements, monitoring sheets, inductions etc will be included in the site safety file.

This Construction Management Plan will be issued to all tendering sub-contractors on the project to allow them to understand in advance the health and safety requirements particular to Herringgate uk Ltd and this project.

DESCRIPTION OF THE PROJECT

The new buildings are to be constructed with a traditional cavity wall construction comprising of blockwork and facing brickwork on designed foundations and traditional pitched roof construction. Private gardens will be formed by lowering existing levels through retaining walls.

The internals will be fitted out with M&E services, plastered ceilings and a mixture of floor and wall finishes.

EXISTING ENVIRONMENT

Existing Site and Boundaries

The site boundaries are detailed on the design drawings. The site forms part of the garden space for 97 Lovedean Lane. It is generally clear with some wooded areas and several dilapidated outbuildings and overgrowth. It has not previously been developed.

The site will be protected by temporary fencing as necessary and a lockable main gate during construction. The majority of the site has existing timber fence panels which will be used as protection during the works.

Adjacent Land uses

The surrounding land uses are residential

Previous Land use

The area of the site has only been used as garden space, there are some dilapidated outbuildings but no record of development to the proposed build area.

EXISTING SERVICES

Records of known underground services are in existence. All services will be marked on site prior to commencing any excavation works. Herringgate uk will carry out further investigation and surveys to establish the location of any live underground services that may affect the project.

All existing services will be treated as "Live" until proved otherwise.

Any work on the existing services can only be done so with a prior agreement with the Client and issue of a suitable permit.

All contractors will comply with the HSE Booklet HS(G) 46 "Avoiding Danger from Underground Services".

Full CAT scans will be made before any excavation work is undertaken. Herringgate uk will review the existing health and safety file for as installed drawings of services.

EXISTING SITE/STRUCTURES

Several outbuildings which are no longer in use.

SITE LAYOUT AND MANAGEMENT

Herringgate uk will ensure that competent supervision is on site at all times during the construction works.

The contents of this plan and the company Health, safety and Environmental Policy detail the procedures to be adopted to ensure that the health and safety on site is managed to high standards.

A site layout plan has been produced (Appendix A) and will be held on site along with the traffic management layout to be used during the induction.

ACCESS TO THE SITE

Access to the site compound will be through the existing road access leading from Lovedean Lane. A secure gate will be provided at the site entrance for security. Site directions including parking restrictions will be compiled and provided to all contractors, suppliers and visitors. All workforce will be required to use designated parking on site to avoid congestion on the main road.

It is anticipated that up to 5 contractors will be working on site at one time and there is suitable designated site parking to accommodate these. Refer to Appendix A for locations.

Fryer & Gildone Ltd will ask all contractors to consider reducing the number of vehicles visiting site by possible sharing and this will be advised to contractors prior to works commencing.

Deliveries will be dropped at the site entrance, delivery vehicles will reverse down the access road, drop off materials where a small handler will manoeuvre within the site. A banksman will be on site during this to ensure deliveries are undertaken safely. Deliveries will be staggered and limited to avoid as much disruption as possible on local residents.

All visitors and contractors must sign in when arriving on site and sign out when leaving site. All visitors and contractors to site must undergo the site induction prior to entering the site or building to carry out any work. Regular Toolbox Talks will be provided to operatives by the supervisors for those teams. These should take approximately ½ an hour and the subjects will

be relevant to the work being undertaken. Involvement and feedback from the workforce will be encouraged.

The standard Site Safety Notice board will be mounted in the site office/ canteen area. This will aid the induction process and will also act to remind personnel of all the information given at the induction and the site rules, safety memos, fire safety plan etc.

Safety and management measures will be one of the topics for all meetings with the client and contractors. Information will be exchanged at these meetings and an open forum encouraged so that views, suggestions and opinions are tabled.

WELFARE FACILITIES AND FIRST AID

Suitable welfare facilities in the form of a canteen / changing area and toilet facilities will be provided on site as indicated on the site layout plan (Appendix A).

The canteen area will have as a minimum the facilities for heating food and water, provision of drinking water and allow operatives to sit and eat in a clean and healthy environment.

The changing area will allow personnel to change in or out of their work clothes with pegs or hooks and some benches. There will be heating provided so that in the event of the clothing becoming wet they can be dried.

The toilet and washing facilities will contain a flushing toilet to suit the number of operatives to be employed on site at any one time. There will be hot and cold running water and sinks which allow the full forearm to be immersed and washed. Towels or hand driers will be provided. These facilities will be kept in a clean and tidy state at all times.

A trained first aider will be on site at all times when work is being carried out. In this case the first aider will be the Site Manager. A First Aid box will be located in the site office along with eye wash facilities.

STORAGE OF MATERIALS, PLANT AND WASTE ON SITE DURING THE WORKS

All work and storage of materials in connection with this project will be contained within the site compound area and work area boundary. The storage space on site is detailed on the site layout plan (Appendix A) held next to the site office. Heras fencing will be set up around the material storage area to secure access.

The majority of waste / debris will be created during the first few weeks of works following demolition and removal of overgrowth. This will be removed off site immediately to minimise waste on site. During the remainder of the works waste will be contained in skips located in the compound area as indicated on the site layout plan (Appendix A)

All waste will be removed from site and disposed of by registered waste carriers into registered landfill sites. Debris and mud will not be permitted to enter the access road or public highway or onto the perimeter road system.

Evidence of consignment notes and disposal certificates for any hazardous waste will be copied and inserted into the Health and Safety File at the end of the phase.

- The site will hold a supply of emergency spill kits to be able to stop any accidental spillages of fuel etc entering the existing drains or ground generally.
- The site will also hold drip trays for refuelling of portable equipment and plant.
- Inductions will be conducted, and training provided to all subcontractors ensuring they have suitable training in the use of spill kits.
- No debris to be taken onto the roadway.
- No washing down of any debris on the road.
- All skips are to be covered outside working hours.
- Existing drainage or groundwater run off drains are to be kept clear and maintained.

In addition to these any fuel oil / diesel brought to site will be stored secure in the fuel storage container and transferred on to bunded pallets next in the fuel storage container when re-fuelling. All bunded pallets will be capable of holding 110% of the total fuel capacity and contain hook/up discharge points.

All plant and equipment on site will only be used following the inspection of current certification and maintenance documents. All equipment on site will be isolated at the end of the shift or out of hours in the compound area as indicated on the site layout plan (Appendix A). Inspections and any necessary maintenance will be carried out on a daily basis at the beginning and the end of a shift to ensure that all machinery and plant is in good working order and not leaking any potentially hazardous materials into the ground.

A site notice will be on display in the site welfare office informing all subcontractors of the procedures necessary in the event of a spillage which will comprise of the following;

THIS SITE LIES IN A SOURCE PROTECTION ZONE ONE (SPZ1) & AQUIFIERS. ALL SUBCONTRACTORS ARE TO ADHERE TO SITE RULES AND POLLUTION PREVENTION MEASURES AS DETAILED IN THE CONSTRUCTION MANAGEMENT PLAN. IN THE EVENT OF A POLLUTION INCIDENT BOTH THE ENVIRONMENT AGENCY AND PORTSMOUTH WATER SHOULD BE NOTIFIED. THE ENVIRONMENT AGENCY'S HOTLINE IS 0800 80 70 60 AND PORTSMOUTH WATER'S CATCHMENT MANAGEMENT TEAM EMAIL IS catchment.management@portsmouthwater.co.uk

DUST AND EMISSIONS

- Water will be used on site as dust suppressant when cutting materials.
- We will cover, seed or fence stockpiles to prevent wind whipping.
- Vehicles and equipment will be checked to ensure they are not producing black smoke from exhaust systems except during ignition at start-up.
- Engines and exhaust systems will be maintained so that exhaust emissions do not breach statutory emission limits set for the vehicle/equipment type and mode of operation.
- Internal combustion plant will not be left running unnecessarily.
- Pots or tanks containing hot bitumen will be covered.
- Methods and equipment will be in place for immediate clean-up of spillages of dusty or potentially dusty materials.
- The site will be regularly inspected for spillages and dealt with accordingly.

TEMPORARY DRAINAGE AND SURFACE RUN-OFF

A temporary foul drain will be installed and connected to the existing mains foul drain on the access road to serve the temporary welfare facilities.

- All drainage to be installed to BS5955 Pt6 and in strict accordance with the manufacturer's instructions.
- All PVCu drainage products to conform to BS EN1401 & Kite mark certified in accordance with manufacturer's specification.
- All drainage pipes to be 100mm diameter and laid 1/80 falls
- Cover grades and gulley gratings to be in accordance with BS497 Pt1
- All drainage laid less than 600mm below FGL will be covered with minimum 150mm Gen 3 grade concrete to half diameter.

The existing site mainly comprises of soft landscaping, the only areas of hard landscaping are within the existing outbuildings. Following demolition of the outbuildings, the installation of the surface water drainage system is to be completed within the first phase of the development construction programme.

Although SuDS are expected to be constructed during earthworks stage its final construction is on schedule to a later stage, thus special and adequate provisions will be in place to account for pre-development drainage. As construction phase runoff flows are heavily laden with sediment particular attention will be paid to the various processes to prevent the clog of infiltration systems and the potential pollution of receiving waters.

Where possible earthwork operations will be programmed for dry weather, particularly due to the vulnerability of drains and porous surfaces to heavy silt laden from construction activities runoff. Temporary silt traps will be provided to intercept such runoff.

Runoff control measures – Runoff control measures will be used in conjunction with sediment traps to divert water around planned earthworks areas and to remove silt. Surface water runoff from these works should be conveyed to assigned drains, installed according to required wastewater management outfalls.

Silt – All silt water arising from excavations, exposed ground, wheel wash and plant will be conveyed onto silt trap manhole and subsequent drainage infrastructure prior to its release to Southern Water storm drainage infrastructure.

Excavations – Excavations are to be kept clear of water at all times. Measures will be taken to prevent water from entering excavations. Suitable barriers to preclude collapse of excavation walls and the risk of plant falling into excavations will be put in place and adequate measures taken to minimise and account for any residual risk of such activity.

Concreting – Particular care and cautionary measures are to be taken with all works involving cement and concrete. Adequate provisions are to be made and agreed in advance for the washing out of ready mix concrete vehicles and/or concrete mixing plant to prevent such wastewater from entering the drainage systems or ground.

Programming for SuDS – In order to protect the receiving environment from runoff during construction all SuDS components will be protected from potential damage, and deliver a surface water management system where runoff is conveyed and stored, as designed, without causing unacceptable erosion, channelling or sedimentation.

SECURITY ARRANGEMENTS

The site will be made a secure area during the work stages and out of hours. Warning signs will be erected to the perimeter fencing to warn personnel, the public and children of the hazards.

Heras fence panels will be erected where necessary as the site has existing boundary fences. Heras fencing will be supported from overturning in the wind.

The main driveway will incorporate a secure lockable gate, locked and secured after working hours.

CONTROL OF SITE TRAFFIC

The anticipated number, frequency and types of vehicles used during construction will vary during the various stages. The peak will be during the civils works between week 1 and week 6.

Pedestrians and plant/ vehicles will be segregated on and off site where possible and a site layout will be produced to indicate the protection provided to pedestrians entering the site and carrying out work on site.

Access for delivery vehicles and emergency vehicles to the site compound will be restricted. No vehicle will be permitted to enter or reverse near the entrance. Delivery vehicles will with the aid of banksman off load all materials on to the existing driveway and then without the need for reversing exit on to the main road via the existing access road..

A speed limit of 5mph will be put into place on site and this will be indicated by signage. All orders placed with suppliers will contain this information.

Wheel washing facilities will be provided at the site entrance as indicated on the site layout plan (Appendix A) for smaller work vehicle moving in and out of the site compound to recover materials. The facility will be using a banksman to ensure wheels are suitably cleaned before accessing back on to the site compound. Road sweeping will also take place on a regular basis to minimise spread of debris on the internal road network.

Wheel washing will be carried out in a designated area of hard standing as shown on the site layout plan. Surface water Run-off will be attenuated, solids collected and removed regularly. Water will be recycled and re-used where possible. Excess water will be discharged into a foul sewer following permission from the local sewage provider. Any removal of wastewater which cannot be suitably treated onsite is to be carried out by licensed waste disposal contractor.

Any valves and trigger guns are to be protected from vandalism and unauthorised personnel. Valves to be securely locked and turned off when not in use.

During any work the existing roadways will remain clear for vehicles and access for emergency vehicles at all times.



Appendix A

REFER TO PJC ECOLOGICAL
APPRAISAL_JUNE 2018 3793AO/18
PRIOR TO UNDERTAKING ANY WORKS
ON SITE



BUILDING, ENGINEERING AND OPERATIONS TO BE CARRIED OUT ONLY BETWEEN THE HOURS OF 0800 - 1800 MONDAY TO FRIDAY, 0800 - 1300 ON SATURDAYS AND SHALL NOT BE CARRIED OUT AT ANY TIME ON SUNDAYS OR PUBLIC HOLIDAYS. CONTRACTOR TO FOLLOW BRITISH STANDARDS CODE OF PRACTICE FOR NOISE AND VIBRATION CONTROL ON CONSTRUCTION AND OPEN SITES

THIS SITE LIES IN A SOURCE PROTECTION ZONE ONE (SPZ1) & AQUIFERS. ALL SUBCONTRACTORS ARE TO ADHERE TO SITE RULES AND POLLUTION PREVENTION MEASURES AS DETAILED IN THE CONSTRUCTION MANAGEMENT PLAN. IN THE EVENT OF A POLLUTION INCIDENT BOTH THE ENVIRONMENT AGENCY AND PORTSMOUTH WATER SHOULD BE NOTIFIED. THE ENVIRONMENT AGENCY'S HOTLINE IS 0800 80 70 60 AND PORTSMOUTH WATER'S CATCHMENT MANAGEMENT TEAM EMAIL IS catchment.management@portsmouthwater.co.uk

Site Compound Plan
1:175

notes:



revisions: A | 11.11.2019 | GR | Compound Plan amended in line with planning department comments

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to place a revision insert a 'A1REV' block

NOTE: The contractor is responsible for checking all site dimensions and levels. These should be checked prior to the ordering of any components and before the commencement of the works. All discrepancies should be brought to the attention of the Contract Administrator

Fryer & Gildone
97A Lovedean Lane
Waterlooville
drawing information title: Site Compound



R & R DESIGN
STUDIO LTD

title: Site Compound
Plan
status: Preliminary
date: September 2019
scale: 1:100 @A1
drawn: GR
chk'd: SCR

job: 1085 dwg: 1110 rev: A