

Barry Waterfront Primary School

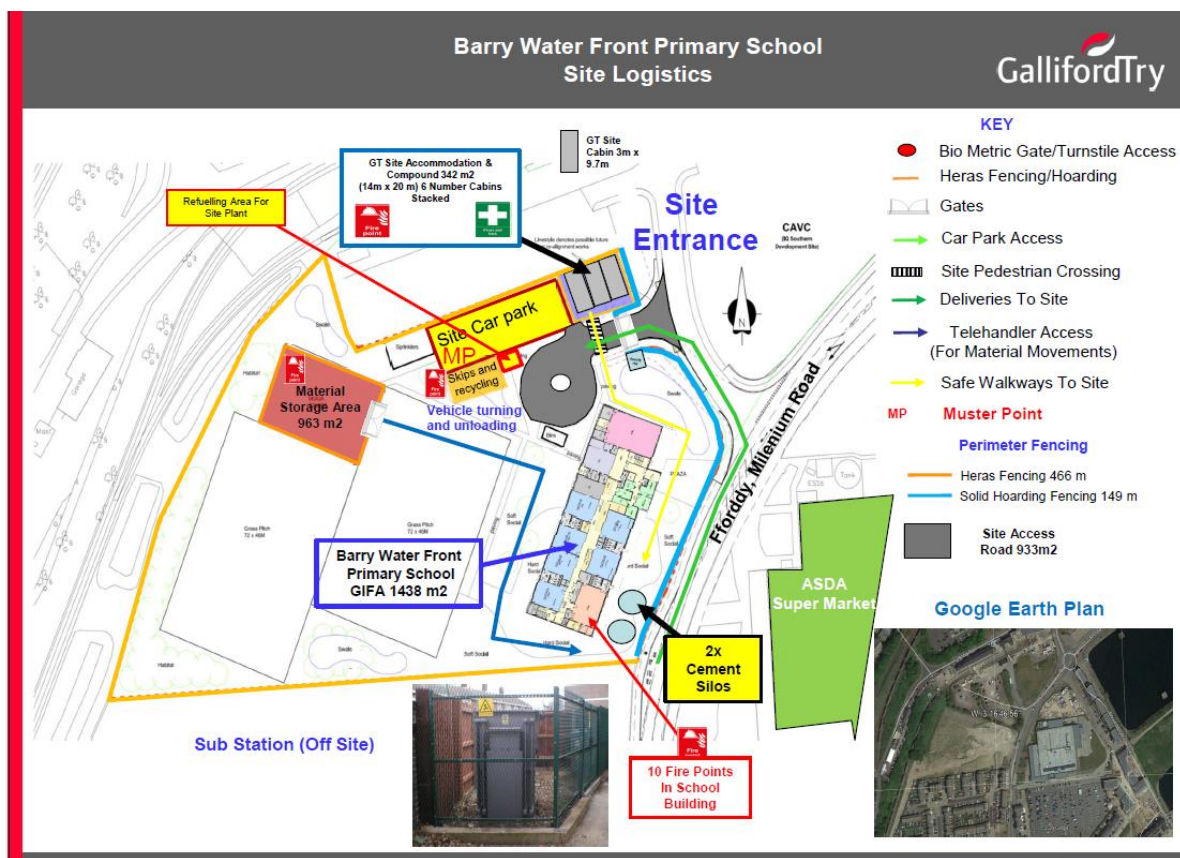
Construction Environmental Plan

Prior to commencement on site, a Construction Environment Management Plan will be produced by the site team, which will include Environment Risk Assessments and how we are going to manage the risks on site duration the construction of the project.

1. The Parking of Site Operatives and Visitors

We will provide site carparking for our staff and sub-contractors, we have allowed for this in our site setup and costs. The benefits of onsite parking will prevent uncontrolled parking of vehicles on surrounding access roads, this will enable the site team to closely monitor and control the onsite carparking (See Below Logistic Plans for Details)

If the onsite carparking is inadequate for the project needs, we will responsibly source off site carparking for our staff and supply chain to use.



2. Loading & Unloading of Plant and Materials

A traffic management plan will be produced prior to starting works on site. This will include a notice to hauliers, giving delivery drivers clear direction on rules such as delivery restrictions, routes to site, weight limits, off site holding places. This notice will be included in all sub-contract and material orders.

The delivery of materials will only be permitted within the specified site working hours, deliveries outside of the site working hours will not be permitted.

Careful planning and control will avoid material & plant congestion on site just in time deliveries with a 48-hour notice period will be arranged by the GT site management. Deliveries & plant deliveries will be scheduled to control storage and movements on site.

Delivery vehicles will use our dedicated contractor's entrance, hard standings, and turning areas this will prevent spoiling of the surrounding highway's during the construction works. Road sweeping facilities will be utilised, to keep the surrounding roads clean & safe.

3. Storage of Plant & materials used in constructing the development.

Materials

All materials on site will be safely stored in accordance with COSH regulations & manufacturers guidelines, spill kits will be made available for fuels and liquids on site. Designated secure storage areas will be provided, and the storage of materials will be closely monitored and reviewed by the site. Materials will be stored in accordance with Galliford Try's own health & safety and environmental procedures. Materials will only be delivered to site when they are needed in accordance with the build programme, materials stored on site, will be stored for the shortest time possible before being installed, reducing the risk of double handling and damage.

Plant

All plant on site will be sourced using Galliford Try's approved supply chain, to ensure it is compliant to Galliford Try's health & safety/environmental standards. Plant will be subject daily inspections by the site team to ensure the plant is safe to use, and there are no fuel or oil leaks. Upon induction to site, operatives will be checked to make sure they are suitability qualified and are competent to use specific plant on site. Before the plant is used to carryout works on site, a risk assessment/method statement must be agreed before works on site can commence.

Emergency spill kits will be available on site, in the event of any fuel/oil leaks, plant will be parked away from or stored away, from any water courses which are near the site. The site team will be trained to inspect plant and use spills kits to control any leaks which may occur on site.

The erection and maintenance of security hoarding including decorative, displays and facilities for public viewing, where appropriate.

From the start of the project and as part of our enabling works, we will install a 2m high hoarding around the site. On the boundaries where there are roads, we will have a solid hoarding.

We will provide safe viewing windows for the public to view the site, whilst construction works are in progress, locations of the viewing windows will be discussed and agreed with the client.

Graphical displays will be displayed on the external solid hoarding, this will be agreed with the client.

The perimeter site hoarding will be inspected by the site team daily, to ensure it its safe and secure. All timber hoarding will be constructed using responsibility sourced timber, in accordance with Galliford try's environmental policy.

Wheel Washing Facilities

We will provide a wheel wash facility on site, to make sure the surrounding access roads to site, are kept clean and safe. The use of the wheel wash will reduce the impact of mud & slits entering the surrounding drainage systems, preventing blockages, and reducing environmental contamination.

Measures To Control and mitigate the emission of dust, smoke, other airborne pollutants and dirt during construction.

- Dust suppression - during long periods of warm weather, we will use dust suppression equipment to control the levels of dust in the air. This will be task specific, to where dust suppression is required. We will control the dust on site from vehicle/ plant movements on site, by damping down access roads.
- Plant, we will only use plant which has been approved by Galliford try approved supply chain, which conforms to the latest environment requirements for emissions and fuel efficiency and were possible use electric plant, for example using mobile electric working platforms for access.
- Galliford try to do permit the burning of any materials on site.
- Prefabrication of materials/structures to reduce welding and cutting on site, will further reduce airborne pollutants.
- Wet cutting of materials on site to reduce dust.
- A environmental management plan, which is updated monthly used to assess and review environmental risks.

A scheme for recycling/disposing of waste resulting from demolition and construction works.

Recycling and Disposing of Waste During Construction/Demolition Works.

- We will use a system of segregated skips on site, during the construction works to control the waste produced from site operations. The site team will enforce a policy of material segregation & recycling with our subcontractors.
- Disposal, we will only use licenced specialist waste contractors, who will recycle where possible the waste from site.
- We will only use approved sub-contractors who confirm to Galliford try's environmental/recycling standards.
- Only use materials in the construction, which can be easily recycled to minimize the amount waste going into land fill.
- Where possible we look to use recycled materials on site, for example hardcore, wood etc.

Hours of Construction

Working hours will be 8.00am to 5.30pm Monday to Fridays – Weekends and Bank Holidays may only be carried out with the written permission of the EA.

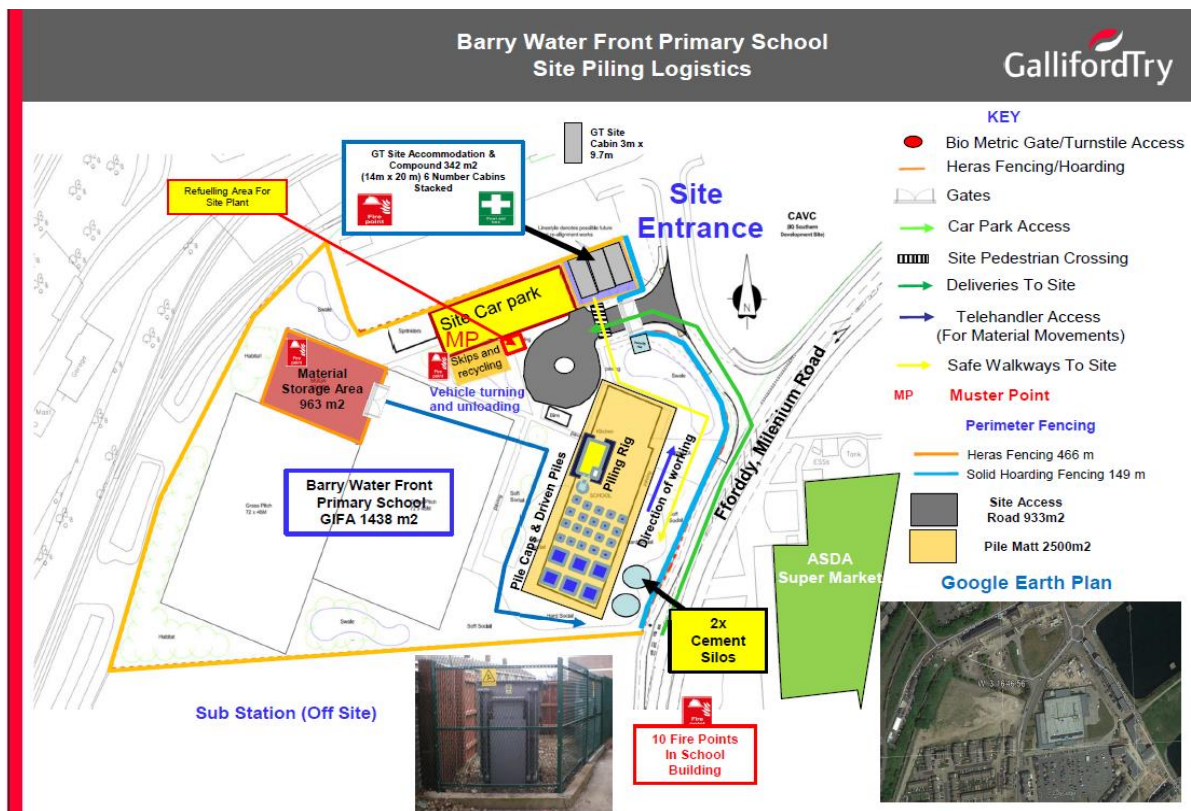
Lighting

- Lighting will be required on site both externally and internally, to allow for safe progression of the construction works. The requirement for temporary site lighting, will increase in the winter month due to the shorter days.

- We will use mains powered temporary lighting as much as possible on site, to minimize the carbon footprint. However due logistical necessity we will require use of standalone generator powered lighting units, for the construction of the substructure & superstructure elements of the building.
- We will at the earliest opportunity, make the permanent power available to reduce the requirement for generator powered temporary lighting on site.
- We will use timers & PIR technology where possible, to prevent the external lighting being left on in daylight hours or when people are not working in spaces.
- Flood lighting will be set out and angled to minimise light pollution to adjacent properties.

Management, control and mitigation of noise and vibration

- Working hours will be 8am to 17:30 Monday to Friday, the construction works and cutting works will be timed to minimize the noise disturbance to neighbours.
- Tools and equipment/plant will be rated to produce as little noise/vibration as possible.
- Windows and doors to be kept shut during works to keep the noise to a minimum,
- Acoustic screens/cutting booths to be used in localised working/cutting areas to reduce the noise to acceptable levels.
- Where possible we will locate noisy/vibration work areas away from neighbouring properties.
- Site team will monitor/assess noise/vibration levels and take action to reduce noise/vibration levels if necessary.
- Use methods of construction which reduce noise and vibration, for example prefabrication.
- Site team to provide advanced warning to neighbours of any noisy/disruptive works. For example, driven piles operations. (See below Logistics Plan for details)



Odour management and mitigation

Upon discovery on site of any unknown odour admitting substances, we would firstly notify the local authority pollution control team, and have the unknown substance tested by a specialist consultant. We would then cover up and seal off the affected area on site.

Once the substance has been identified and the specialist consultant has issued his report. We would review the findings of the report, with the local authority pollution control team and the specialist consultant to determine the best course of action.

Dependant on the report's findings and the local authority, we would either remove the odourise substances from site, using a specialist waste disposal contractor. Or leave the substances undisturbed, with a specialist designed, capping layer to contain any odour or contamination.

How the developer proposes to accord with the Considerate Constructors Scheme (www.considerateconstructorsscheme.org.uk) during the course of the construction of the development; and a system for the management of complaints from local residents which will incorporate a reporting system. The construction of the development shall be undertaken in accordance with the approved CEMP.

Considerate Constructors Scheme

As a responsible developer we will accord with the considerate constructor scheme, making sure the site is properly setup from day one, in a clean and tidy professional manner. We will appoint a member of the site team to become a considerate constructor champion, who will be responsible for managing the considerate Construction Scheme. Making sure the considerate construction scheme's check list and procedures are always followed, responsibilities will include the recording and resolution of complaints.

Procedures for out of hours working.

If it is deemed necessary to carry works out of hours, we will seek client/local authority approval and inform local residents/neighbours before carrying out any works on site.

Throughout the duration of the project and in accordance with the Considerate Constructors Scheme, the site team will:

- Provide health & safety training to the workforce.
- Have a site environmental plan in place, which is updated and monitored monthly.
- Ensure the site is kept clean & tidy and well organised.
- Provide site tours to local school students and teachers.
- Provide all the necessary facilities to our operatives and staff.
- Check the competency of the workforce i.e. CCS cards
- Provide contact details for members of the public to contact the site management.
- Working hours to be considerate.
- Deliveries to be made at considerate times, without blocking access roads.
- Carparking to be on site, not on surrounding roads.
- Make sure there are designated waste & storage areas.
- We will provide health & safety training to all our staff and operatives.
- Provide health & mental health support to all our staff and operatives.
- Encourage new people into the industry.
- Make sure operatives and staff are wearing the correct clothing and PP&E.

- Strict smoking rules, operatives/staff can only smoke in designated smoking areas.
- Ensure plant & equipment is kept in good condition.
- Put measures in place to protect the local environment.
- Minimize the impact of the construction site, by maintaining public walkways & cycle paths.
- Engage with the local community, through site visits and supporting local business and schools.
- Promote a positive image of construction through Branding, signage & websites.
- Displaying our site registration with the scheme, by displaying posters & banners.
- We make sure the site complies with equal opportunities and diversity policy, by providing ramps, and providing operative conduct and behavioural, induction training, facilities for visitors.
- Make provision for visitors, access ramps etc.
- Using recycled materials to reduce the carbon footprint of the project and carbon off setting.
- Public notice board & newsletters promoting the project and local groups & news.
- Identify & manage environmental issues.
- Minimise energy & resource usage on site, by using the resources necessary to do the job.
- Leave a lasting positive image of the construction industry upon, completion of the project.

Management Of Complaints

As a responsible contractor we would look to avoid complaints as much as possible, by engaging with the local community, by giving residents regular updates of when noisy works or disruptive works are about to commence on site. We would also engage with local community by conducting site tours and explaining to the community what the project is about and how it will benefit the local area.

In addition to providing residents with regular updates, we will conduct surveys to see what else can be done to improve the site image.

We will also conduct our own internal reviews, to make sure we are doing all we can to minimize the impact of the construction site, on the local community & surrounding areas.

If complaints are made the nominated considerate constructor champion, would record the complaint in the complaint's logbook. The complaint will be reviewed by the project manager who will resolve the complaint as quickly as possible.