



CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN

Construction of new Lidl retail store

Undertaken at:

Bodhyfryd
Chester Road
Wrexham
LL12 7BW

Construction Environmental Management Plan

Version	Date	Detail	Prepared By	Position	Checked By	Position
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Construction Environmental Management Plan

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Construction Environmental Management Plan

1. Introduction

This Environmental Management Plan has been prepared as a supporting document to the development of new Lidl Store.

2. Site Location

Bodhyfryd Chester Road Wrexham

3. Proposed Development and Access

Proposed new Lidl retail store, car parking, landscaping and road access, to include all utility and communications services

The building will be refurbished to current Lidl standards.

All key structural elements shall be fully detail designed, specified and inspected by the appointed structural engineer.

Any specialist's design for any element of the works will be submitted to and approved by the structural engineer.

Site works to commence with the provision and siting of welfare facilities and standard security Lidl boundary fencing. There are several ex police headquarter buildings to be demolished. The works will be completed by landscaping, car park surfacing, and line markings and retail store fit out and utility connections. A system of segregation for foot and motor traffic is to be applied throughout the project

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4. Site Management

Braithwaite Fit Out Ltd management on site will be headed by the Director Mr Josh Braithwaite and the Site Manager(s) Mark Willis / Bernard Gumley who will be permanently based on site.

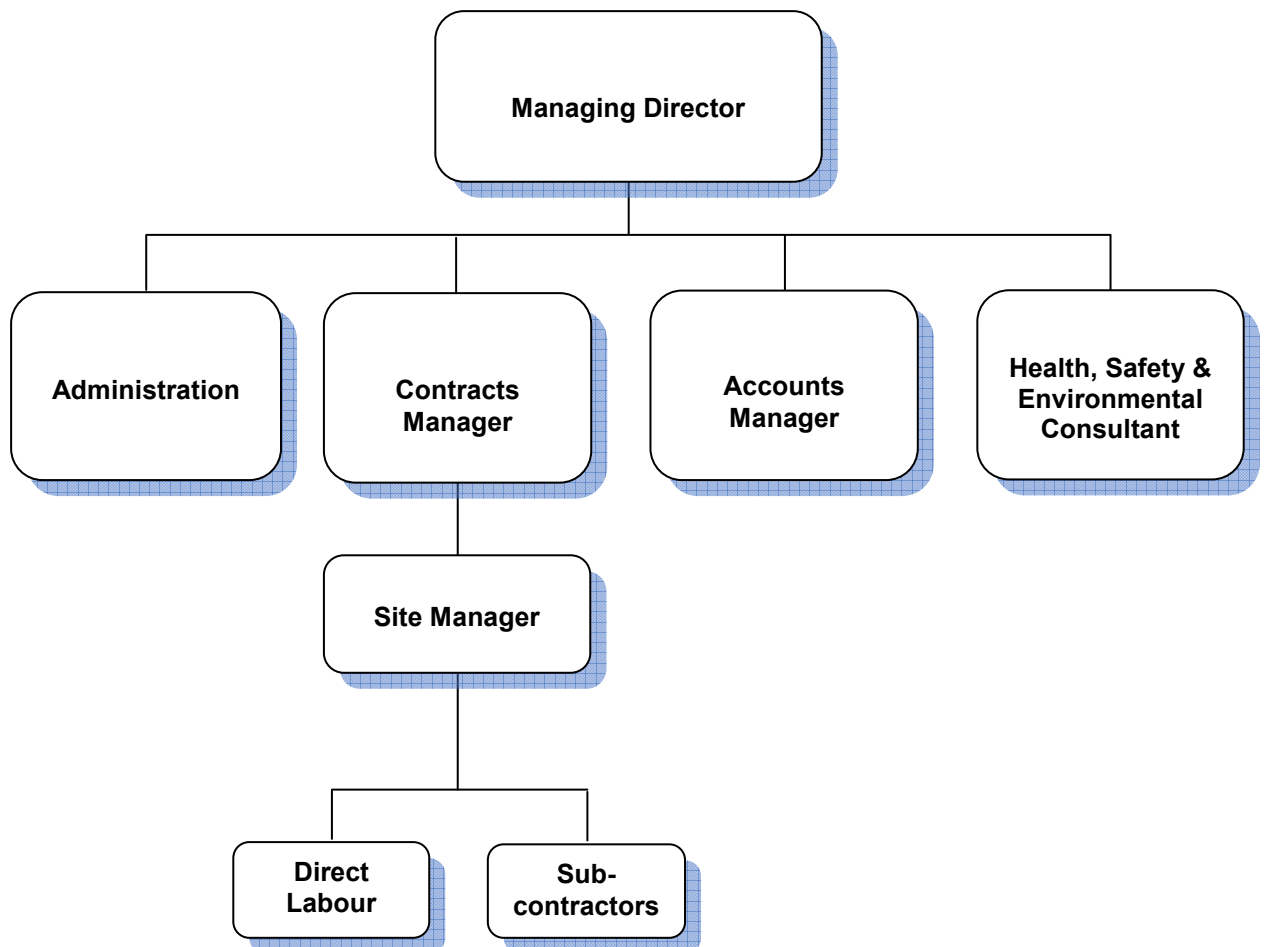
The site team are committed to current best practice with regard to site management and will use their best endeavours to minimize disturbances including but not limited to noise, vibration, dust, smoke, odour and plant emissions for the duration of the works.

The address and contact details of the Site Office including telephone number and email address will be confirmed in due course and will be clearly displayed at 8-meter intervals on the site hoarding. This will also include a readily visible 24-hour contact number for emergencies.

To ensure direct responsive contact with the site management throughout all phases of the works, information boards will be erected on the site hoardings which will contain the site office contact details for the site management team.

During working hours, the site team can be contacted directly by the site-specific mobile telephone number and the site email address which will be displayed prior to works commencing. Out of hours will provide a message on the answerphone which will provide an Emergency contact number. This will also be clearly displayed on the site hoarding.

PROJECT ORGANISATION AND PERSONNEL



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5. Restriction of Vehicular Traffic

The Principal Contractor (Braithwaite Fit Out Ltd) will ensure that suitable and sufficient precautions are taken to prevent unauthorised access and to ensure the safe passage of vehicles and pedestrians past the premises.

Co-ordination of deliveries of materials and equipment will be necessary to reduce risks arising from the movement of existing site transport and the offloading, lifting and movement of that material and equipment.

Times of deliveries, number of vehicles, access and egress of materials to and from the work areas will need to be assessed and agreed between the Principal Contractor, contractors & client at the commencement of the Project and at progress meetings during the course of the Project.

The Principal Contractor will ensure that site specific arrangements are in place to ensure:

- Safe manoeuvring vehicles around the site.
- Safety when vehicles enter and leave the site with particular care to pedestrians and vehicles using the existing buildings and main highway.
- Access routes are maintained for emergency services at all times.

Please see the attached Traffic and Pedestrian management and logistics plan

All loading and unloading will take place within the site boundaries and suspended areas.

All construction works will be closely coordinated in line with our logistic strategy.

In the unlikely case that damage occurs to the roadway, reinstatement works will take place in accordance with relevant Highway Codes and with the approval of the Council as applicable.

A full schedule of condition for all roads and footpaths will be undertaken prior to any works commencing and again when all works are fully completed.

All loads delivered to site will be within the loading capacity of the roads.

Regarding deliveries and the loading and unloading of vehicles it is proposed that all such activities will only be carried out between the hours of 8.00am and 6.00pm Monday to Friday and 8.00am to 1.00pm on Saturdays, with no deliveries on Sundays or Public Holidays without the necessary consents being in place.

Traffic Marshalls will start their working day at 7am to ensure that no vehicles are parked or stacked in the vicinity of the scheme.

Waiting or stacking of construction or delivery vehicles in the local vicinity is strictly prohibited.

All deliveries will be directed into the site access/egress points referred to above by use of directional signage and banks men. All loading and unloading will take place within the site boundary and suspended areas and vehicles re-joining highway will do so under the direction of a banks man and or traffic marshal.

Marshalls will use stop/go boards when larger vehicles require to enter and exit the development along with the proposed traffic management plan.

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Suppliers and subcontractors will be notified in advance of the desired location for delivery. They will be made aware that they are delivering to a location close to a busy residential area and that they will need to be particularly aware of pedestrian and cycle movements in the vicinity. Direction and access point maps with site delivery rules and times will be sent out with each order.

All deliveries to site will be scheduled by our site Logistics coordinator and will be managed through the use of a site delivery board. All unscheduled or non-agreed deliveries will be turned away.

All gates on site will open inwards and will not impede the public highway or footpaths at any time.

Wheel washing facilities will be provided at all access and egress points. No vehicles will be permitted to leave the site without have their vehicles cleaned. Please see further information in the attached addendum.

6. Protection of Buried Services

Within the site all site services will be identified and terminated by the appropriate Utility Service Providers. Certain Utility companies may require works to be carried out in the public highway and they will need to submit their own relevant applications.

7. Waste, Recycling and Contaminated Materials

Prior to the removal of any waste from site, the Company will obtain all necessary Certification and Licenses from the Waste Carrier

Braithwaite Fit Out Ltd will establish a dedicated Waste Management Contractor team who will be tasked with the removal of all waste from the site.

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Braithwaite Fit Out Ltd will also implement a re-cycling regime for materials and packaging. The waste management contractor will compile a weekly report quantifying the materials recovered and the extent of those materials to be recycled.

It is planned that site waste will be reduced through segregation and recycling with a target of 96% diverted from landfill.

Braithwaite Fit Out Ltd intends to segregate the following materials in the material recovery programme:

- Timber
- Plastics
- Metal
- Plasterboard
- Pallets and cable drums
- Glass
- Concrete/Blocks/Bricks

Due to site restrictions all materials will be placed in skips on site and sorting will take place at our contractors recycling facility.

All contractors working on site will be supplied with refuse bins by the waste management team. Once the bins are filled the waste management team will consolidate the waste and remove from site.

The consolidated waste will be collected from the site by a licensed waste carrier.

Waste certificates will be collated for all waste deposited at Environmentally Controlled Waste Reception Centres.

Any hazardous waste that is removed from site will be monitored and tracked to record compliance with the site waste management plan.

The burning of waste is **not** permitted on site at any time.

Records will be gathered about the waste generated on site and we are targeting 96% diversion from landfill.

The Company, as Waste Producers, will obtain a receipt from the Waste Carrier identifying the disposal point for the waste. Upon disposal, the Waste Carrier will obtain a receipt from the Disposal Point to confirm the waste has been disposed of in accordance with The Hazardous Waste Regulations 2005.

The Site Manager will ensure that the Waste Note issued by the Disposal Point matches the original receipt from the Waste Carrier.

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8. Sourcing of Materials

Braithwaite Fit Out Ltd source all of the materials responsibly.

In creating and maintaining the built environment we select and use a large volume of resources. The choices we make have a significant impact on people, organisations and the wider environment.

We have developed a Sustainable Procurement Policy which outlines how we and our supply chain will influence procurement choices of goods, works and services to increase value for money, reduce consumption of primary resources and use materials with fewer negative impacts on the environment.

By operating in line with this policy we will play our part in reducing risks, safeguarding natural resources, improving resource efficiency, reducing waste, saving money and stemming the loss of biodiversity.

Our approach to sustainable procurement is in line with the principles contained within BS 8903. This standard was created to help pursue best procurement practice. Braithwaite Fit Out Ltd's Sustainable Procurement Policy's aims and objectives:

- Use fewer resources and less energy through continuous improvement and the use of innovative solutions.
- Procure all timber and timber products from legal and sustainable sources and procure with a preference other construction materials from recognised responsible sourcing schemes.
- Specify and procure materials and products that strike a responsible balance between social, economic and environmental factors and generate benefits to society and the economy.
- Use resource-efficient products and give due consideration to end-of-life uses.
- Influence, specify and source increasing amounts of materials which can be reused, and consider future deconstruction and recovery of resources to embrace the circular economy to leave a sustainable legacy across the built environment.
- Ensure that fair contract prices and terms are applied and respected.
- Source goods, works and services that embody our environmental policy, health & safety policy and support the delivery of our Sustainable Development Strategy.

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9. Public Footpaths

All construction activities will be carried out on site and where there are works required outside the site boundary to create safe access and egress into the development.

A full schedule of condition will be carried out to all boundaries prior to any works commencing and held on file.

A second (final) schedule of condition will be carried out upon completion of the works and any damage caused by the construction activities will be made good immediately.

10. Welfare

Braithwaite Fit Out Ltd will construct a central welfare facility which shall provide sanitary convenience for both male and female workers. There will be a canteen to cater for workers and changing rooms for all. All facilities will be located within the site compound.

The maintenance of the visitors, workers toilets and changing rooms will be maintained to a high standard by a logistics contractor to ensure hygiene of the facilities.

11. Logistics

All vehicle movements will be controlled by the traffic management team who shall co-ordinate all construction traffic to and from site.

All delivery vehicles will be parked on site in specific holding areas set aside from the construction works.

Vehicles will be booked and controlled by our logistics manager and there will be rigid control of vehicles entering and leaving the compound to prevent congestion on the approach and exit roads.

12. Air Pollution Mitigation Measures

Construction Plant & Vehicles

Vehicles and mechanical plant used for the purpose of the works shall be fitted with effective exhaust silencers, maintained in good and efficient working order and operated to minimise noise emissions, in accordance with the British Standard (BS 5228:1997). For each item of plant used in the works, the values quoted in the relevant current European Community Directive or UK Statutory Instrument, for example: SI1984/1992, when measured in accordance with the Directive or Statutory Instrument, shall not be exceeded where reasonably practicable.

- Construction plant is to be operated in accordance with the manufacturer's written recommendations and all vehicles and plant will be switched off when not in use.
- Vehicle and construction plant exhausts will be directed away from the ground where possible and be positioned at a height to facilitate appropriate dispersal of exhaust emissions.
- Enclosing, shielding and provision of filters on plant likely to generate excessive quantities of dust and fumes beyond the site boundaries will be employed. Items such as dust extractors, filters and collectors on drilling rigs and silos will be used.

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- The movement of construction traffic around the site will be kept to the minimum reasonable limits for the effective and efficient operation of the site and construction of the Project.
- Construction plant is located away from site boundaries which are close to sensitive receptors where reasonable and practicable.
- Access points will be designed to avoid queuing traffic adjacent to access points. Access Exit points will be inspected regularly and cleaned with appropriate methodology as necessary.
- We will avoid use of diesel or petrol powered generators by using mains electricity or battery powered equipment where reasonable and practicable.
- All non-road mobile machinery will use ultra-low sulphur tax-exempt diesel where available.
- Machinery with power outputs of over 37kW will be fitted with appropriate exhaust after-treatment from approved Energy Saving Trust list (achieving filtration efficiency of over 85%).
- We will keep vehicle, plant and equipment maintenance records on site and these are made available to the Employer's Representative upon request.
- Roads and Accesses will be kept clean throughout the duration of the works

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Transportation and storage of materials

- Deliveries and storage of materials are coordinated by the Braithwaite Fit Out Ltd Limited Site Management Team.
- Delivery engines are turned off while waiting to be unloaded.
- Deliveries or loads entering and leaving the site will have a fixed cover, suitable for the purposes of preventing materials and dust spillage. This will apply to the transport of materials by road, rail or waterway.
- Vehicles transporting materials within or outside the construction site will not to be overloaded.
- Where appropriate, stockpiles and mounds are kept away from the site boundary, sensitive receptors, watercourses and surface drains and sited to take into account the predominant wind direction.
- Stockpiles and mounds will be at a suitable angle of repose and avoid sharp changes in shape to prevent material slippage.
- Materials stockpiles will be enclosed or securely sheeted or kept watered.
- Long-term stockpiles, which give rise to a risk of dust or air pollution, will be covered with appropriate sheeting or the surfaces of the stockpiles will be stabilised.
- Where reasonably practicable, and where appropriate storage in line with the requirements for covering materials set out above is not implemented, fine dry material (under 3mm particle size) will be stored inside buildings or enclosures.
- Mixing of large quantities of concrete or bentonite slurries will be undertaken in enclosed or shielded areas.
- The number of handling operations for materials will be kept to the minimum practicable.
- Material handling areas will be maintained to constrain dust emissions. Watering facilities will be utilised to reduce or prevent escape of dust from the site boundaries.

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13. Controlling Sediment Runoff/Surface Water Run Off and Wheel Washing

From the onset of works all contractors will be required to use all possible means to ensure that the least amount of debris is carried out onto the external carriageway.

As the site ground floor of the site is currently completely made of concrete the construction works will prevent any surface water run off and offsite flooding.

On site wheel wash equipment will be installed by the entrances to the site and a traffic marshal shall direct all vehicles exiting site onto the machines for a wash down before they leave the site compound. This will minimize debris taken onto the road.

Where required a site operative with a jet wash will clean off any remaining loose soil or materials.

Water will be drained to a sump and tank installed at the side of the wheel cleaning area.

Braithwaite Fit Out Ltd will arrange a road sweeper on a regular service throughout the works period to ensure that the roads into and surrounding the site are maintained in a clean state at all times.

All deliveries to the site will take place within the compound and there will be no running on muddy ground.

14. Site Hours

Braithwaite Fit Out Ltd will adhere to the following working hours:

Monday to Friday	-	0800 hours to 1800 hours
Saturday	-	0800 hours to 1300 hours
Sunday	-	No works

15. Site access during works period

The site will be accessible to vehicles via entrance gate on the site boundary on Powell Road. The vehicle entrances will have double gates and be staffed by a security guard at all times. The security detail shall process and log the vehicles entering/exiting the site as well as any other visitors who arrive at the site entrance.

A separate pedestrian access point will be provided on Powell Road. This will lead directly to the site compound which will be located within the main site.

Welfare facilities and site offices for the principal contractor and all subcontractors will be located within this secure compound.

Operatives can only access the site working areas after receiving induction training and passing through the gate.

Site notice boards will be displayed at the site entrances and will display the project particulars, contact details, access and egress procedure, site rules, 24hour contact number for queries and emergencies including all necessary health and safety information.

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16. Noise and Vibration

Braithwaite Fit Out Ltd will adhere to the key legislation on noise and vibration as detailed in the:

1. Control of Pollution Act 1974
2. Environmental Protection Act 1990 (ss79-82)
3. BS 5228:1997, Code of Practice on Construction and Open Site.

The Company will comply with the recommendations set out in the current Code of Practice for Noise Control on Construction, Demolition and Open Sites, Code of Practice for Basic Information and Procedures for Noise Control, and Guide to Noise Control Legislation for Construction and Demolition.

Site operations will be controlled so that all plant and machinery noise emissions (including the provision of ventilation, heating and cooling) shall be designed, installed and operated at noise levels that do not cause noise nuisance to the nearest adjoining residential properties.

Braithwaite Fit Out Ltd shall ensure that disruptive sound levels will be kept to a minimum and will implement the use of specialist sound monitoring equipment at the site boundary in locations to be agreed with the Local Authorities Environmental Health Team.

A variety of measures will be used to affect the reduction of noise transmitted from site, this will include:

- Coordinated delivery times and efficient traffic management to prevent queues traffic accessing the site.
- Ensuring all plant has sound reduction measures (mufflers, baffles or silencers).
- Utilising construction techniques that minimise the production of noise.
- Utilisation of baffle system during the demolition process.
- Strict adherence to the site working hours.
- Using acoustic hoarding where necessary.
- Carry out daily noise surveys at perimeter of site and record findings. Implement action plan where noise levels exceed acceptable levels.
- Positioning plant away from properties
- Machines in use will be throttled down to a minimum
- Cutting operations will be kept off site as much as possible by pre-fabrication
- Localised shrouding of plant in accordance with BS5228

All works will be carried out to ensure that the ground vibrations are contained within limits set out below:

- A peak particle velocity of 1mm/s at any occupied residential property
- Peak particle velocity of 3mm/s at any other property in any orthogonal direction.

The Company will take all necessary precautions to prevent the occurrence of smoke emissions or fumes from the site and plant or stored fuel oils for safety reasons, and to prevent such emissions or fumes drifting into residential areas. In particular, plant should be well maintained and measures taken to ensure that nothing is left running for long periods of time when not in use.

Burning of materials on the site will **NOT** be permitted.

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17. Air Quality and Dust Management Plan

As the site is located close to residential areas it is our intention to minimize the impact that the construction process could cause to the Local Environment and the neighbouring community.

Noisy plant or equipment will be sited as far away as is practicable from sensitive buildings. Use of barriers, e.g. Soil mounds, site huts, acoustic sheds or partitions to deflect noise away from noise sensitive areas will be employed whenever practicable.

The companies operation activities will be carried out so that vibration arising will not damage adjacent structures and their contents.

All care will be taken not to cause the primary environmental nuisances, noise and dust pollution. Below are some actions that will be carried out to abate these problems.

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

- We will establish air quality procedures to minimise dust generation and control plant and vehicle exhaust emissions.
- Ensure that all materials transported to and from site are in enclosed containers or fully sheeted.
- Ensuring stock piles of topsoil etc are kept below hoarding heights and kept damp in dry windy conditions. Once weeds and grass have grown again on the piles this will reduce the risk.
- During dry periods the works are to be damped down to control the generation of dust.
- Ensuring materials have a minimum of packaging.
- Ensuring all polystyrene and similar lightweight materials are weighted down.
- Making sure all dust generating materials are adequately packaged.
- Ensuring all vehicles leaving the site have been through the wheel wash and that loads are covered where spoil or demolition material is being removed.
- Provide regular road cleaning using road sweepers or brushes to control dust and muck.
- Keeping the loading drop heights of spoil into lorries as low as possible.
- Implementing an effective procedure to deal with complaints from third parties to ensure issues are dealt with efficiently and quickly, via an advised and dedicated telephone number which will be clearly identified on the site hoarding

In addition to the above provisions, the following measures will be taken to reduce any further negative effects on the environment:-

- Ensuring all contaminants kept on site are safely stored with the necessary procedures put in place for leaks and spillages etc.
- A waste management system will be implemented on site.

We treat environmental issues seriously and will carry out good management practices to minimise the effects of noise and dust on the environment and local community. We will also liaise with the local neighbours regarding any other sensitive environmental issues that need to be addressed.

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18. Emergency Services Routes and Access by Third Parties

Access for emergency services on site will be via the site access routes and emergency escape routes. Local Emergency Services will be notified of the access points before work starts on site and in due time before any access arrangements are relocated. A traffic marshal permanently located at the main site entrance will ensure that safe access routes are always maintained for emergency services including security arrangements for out of hour access.

Calling the emergency services will be actioned in accordance with our site emergency procedures.

19. Police Requirements

No specific Police requirements are envisaged. We will however maintain regular contact with the Police on such matters as abnormal load licences and be fully co-operative with any unforeseeable matters.

20. Site Security

Fire escape routes, fire-fighting stations, alarm points, muster points and practice drills within the works will be as Braithwaite Fit Out Ltd standard Health and Safety Procedures and agreed with the local fire officer.

Site management will be responsible for seeing that all plant and materials are stored safely and securely after the workday ends.

Security is to be provided 24 hrs a day 7 days a week.

Site hoarding will be a minimum of 2.4meters high from the finished ground with security lighting and CCTV cameras erected across the site boundaries.

The hoarding will be fully designed by a qualified Temporary Works Engineer.

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21. Liaison and Good Neighbour Policy

We pride ourselves on the good rapport we have established with a variety of different neighbouring parties on all of our construction schemes.

Our experience of construction within this type of environment has led us to develop an effective system to manage our activities in a consultative manner to avoid conflicts for the benefit of everyone involved.

Within our site management team, a single point of contact will be made at a suitable level of seniority to liaise with the local neighbours. Our Project Manager will be the liaison contact point throughout the contract. He will have the ultimate responsibility on site and the necessary authority to direct operations.

Information will be distributed to our Neighbours on a regular basis to advise them of our planned operations and any impact they may potentially have upon them.

We will establish regular meetings with the community and our immediate neighbours to discuss and ensure their opinion and requirements are aired and accounted for.

We will undertake all of our construction activities as sensitively as we can, acknowledging that we have residential neighbours.

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22. Considerate Constructors Scheme

We have extensive experience of working within Local Authority Considerate Constructors Schemes

We will embrace all the good practices outlined in the Scheme

23. Protection of Third Parties

All site activities are to be contained within the hoarding line and the proposed suspended areas and a comprehensive traffic management plan will be implemented to ensure no disruption is caused to traffic or pedestrians on the adjoining roads or walkways. Specific loading and unloading areas will be designated inside the site boundary and suspended areas.

If any demolition works are to be carried out above or adjoining buildings, roads or pedestrian walkways and there is a risk of falling materials, monaflex sheeting or debris netting will be installed as a safety precaution including scaffold fans.

24. Hoarding

All boundaries of the project, where there is not a safe defensible boundary in place, will be closed off using timber hoarding which will be designed and installed by our specialist contractor. All hoarding will be maintained and kept in good repair at all times with quarterly inspections by our specialist contractor.

As a minimum requirement, the site hoarding will display publicity material including information on the site programme, the telephone contacts for the receipt of complaints and/or enquiries/emergencies and the name of the site representative who should be contacted. In addition, warning signs will be displayed in accordance with The Health & Safety (Safety Signs & Signals) Regulations 1996.

Standard Hoardings.

A 2.4m minimum height, plywood faced, timber framed boundary hoarding of a surface density of not less than 6kg/m² for normal security and noise limitation requirements. It may be necessary to increase the minimum height to protect buildings from noise.

Signage will be displayed on the external face of the hoarding at 8 meter centres with sufficient lighting above each sign depicting the 24hour contact number in case of emergencies or queries.

Gates in the fencing or hoarding should, as far as is practicable, be positioned and constructed to minimise the noise transmitted to nearby noise sensitive buildings from the work site or from plant entering and leaving the site.

Temporary hoarding will be erected at demolition stage (if required) until a permanent hoarding license has been awarded. Internal access routes and storage compounds will be segregated utilizing 'herras' type fencing panes.

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25. On-Site Storage

Delivery vehicles will be controlled to ensure that unloading only takes place within designated times and in the correct locations. All subcontractors will be required to produce a procurement schedule for their materials which will be monitored at their weekly/fortnightly meetings and they must book delivery slots with our traffic controller. “Just in Time” scheduling of deliveries where possible will 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 will be very carefully controlled and restricted allocation of zones to particular trades will be applied.

Innovative storage solutions will be used wherever possible.

Wherever possible materials will be delivered shrink-wrapped and palletized to be unloaded and distributed safely by crane or hoist.

Unitized and modular construction methods will be encouraged wherever practically possible.

Diesel fuel for site plant will be stored in sealed tanks inside bunded walls in accordance with Braithwaite Fit Out Ltd Environmental Policy. The use of diesel driven plant and equipment will be kept to an absolute minimum. Wherever possible equipment and plant will be electrically powered to reduce noise and prevent emissions.

Secure storage of materials, plant, chemicals and gasses will be controlled in accordance with our Health and Safety Procedures and Environmental Policy.

26. Craneage, Hoists and Scaffolds

The majority of loading, unloading and distribution on the site will be by mobile cranes and forklift.

All craneage will be under the control of the crane supervisor who will be under the supervision of the Appointed Person for the project. His responsibility will be to ensure that each lift is planned from the point of delivery to the point of placement in line our specific site lifting plan.

The site Lifting Plan will be developed once crane availability and construction methodologies are confirmed.

The crane will have its own allocated unloading zones and be guided by a competent banks man.

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27. Induction/Site Rules/Consultation

Every person who enters the project will 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 be only distributed following site induction from Braithwaite Fit Out Ltd management personnel. All site operatives and visitors will be inducted prior to commencement on site in a clearly defined facility without exception.

Our induction talks for operatives new to the site will include site rules which cover among other things:

- Behaviour toward others on site and nearby
- Drugs and alcohol
- Smoking areas
- PPE and safety issues
- Welfare facilities and use of
- Security issues
- Emergency procedures
- Good and bad practice

We also provide site inductions in languages other than English where appropriate and site signage in picture format to assist in communications.

Regular 'tool box talks' to be undertaken by the Principal Contractor and also all subcontractors to site operatives outlining a variety of relevant Health and Safety issues.

28. Health and Safety

To minimise risk and control exposure, Braithwaite Fit Out Ltd will give advice at planning stages on all activities and all H & S requirements. H & S is diligently monitored throughout our projects and reported to the main board.

Braithwaite Fit Out Ltd treats safety as a highest priority and has developed a successful programme of initiatives in order to improve Health and Safety awareness and performance on all our projects. These work by actively encouraging the operatives to think in a manner that assesses personal safety and the safety of others, not only on site but also throughout their lives.

The layout of the site accommodation ensures that all staff, visitors and operatives will have the ability to store and retrieve the correct PPE before entering the construction area.

29. First Aid

The majority of Braithwaite Fit Out Ltd's site management are qualified First Aiders and as a company, we strive to increase the percentage of competently trained site staff. The site will have First Aid attendance at all times. This is backed up by the sub- contractors who also provide first aid trained staff who are identified by First Aider badges.

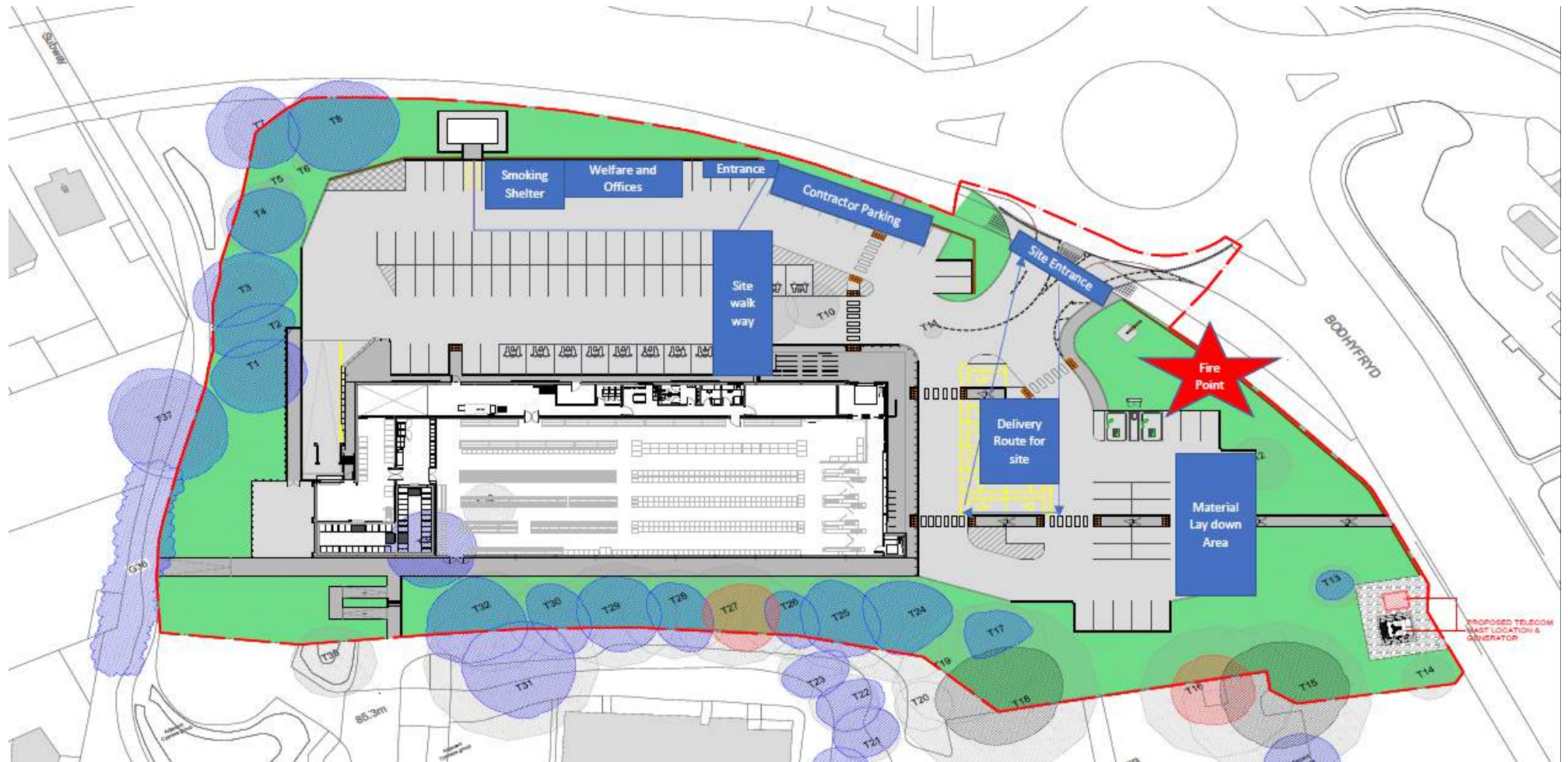
30. Construction Activities

The construction of the development will be carried out in accordance with the details, method statements and risk assessments approved by Braithwaite Fit Out Ltd Site Management and in accordance with this construction management plan and Braithwaite Fit Out Ltd Safety and Environmental Procedures.

We will follow current best construction practice and any specific Local Authority requirements.

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31. Site Traffic Plan



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32. Environmental Aspects / Impacts Register

Environmental Aspects / Impacts Register				Sheet No:	
Site	New Lidl Store Bodhyfryd, Chester Road, Wrexham LL12 7BW			Date	26 th August 2020
Ref.	Aspect	Impact / issue	Sig. Rating (High/Medium/Low)	Control Measures	
1	Waste Packaging	Packing waste is a major contributor to Landfill. Types of packing used are: Cardboard boxes, bubble wrap, shrink wrap, brown paper, hard-board, plastic bags.	M	Waste on Construction Sites – Materials i.e. bricks etc are delivered to site on wooden pallets; these are sometimes wrapped with plastic wrap or secured by plastic strapping. At the moment both the plastic wrap and strapping are disposed of within the main contractor waste streams. Pallets are sent back to supplier for re-use.	
2	Disposal of copier and printer toner cartridges.	Landfill impacts plastics, release of toxic matter to land and groundwater	L	Toner cartridges to be sent back to manufacture for recycling.	
3	General Waste to Landfill	Waste to landfill is a major contributor to land pollution. Any decrease in the amount sent will have a direct beneficial impact on the environment.	M	Management of waste segregation with a view to recycle will reduce the amount sent to landfill significantly. The site currently operates with limited segregation, at the moment site waste is disposed of within the main contractor waste streams. Systems for recycle paper, cardboard, aluminium cans, toner bottles, within office are underway. This will limit the amount of general waste sent to landfill.	

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Ref.	Aspect	Impact / issue	Sig. Rating (High/Medium/Low)	Control Measures
4	Discharge to Sewer	If a major spillage occurred on site involving a discharge to the foul water drainage system this could cause an environmental incident	M	To prevent any discharge to the sewer, the company will allocate spillage kits around each of the sites where the client has not provided or implemented a system. Attached to the spillage procedure will be an Incident form and an Environmental contact list. Spill Kits - Training will be given to employees in the use of spillage kits and this will also form part of any tool box talks that may be required on an annual basis.
5	Maintenance, Electrical, and Electronic Equipment waste containing hazardous components (e.g. TV's, monitors, and associated equipment.	Landfill Impacts, Release of toxic matter to land and groundwater releases. Legal issue- Waste Electrical & Electronic Equipment Regulations.	L	When equipment becomes redundant for its original use, the following options, listed in order of priority, should be considered: • Sale to outside bodies • Donation to a charitable or community organisation • Disposal in a secure and environmentally-friendly manner
6	Energy Consumption – All Services, gas, electricity, oil, water.	Electricity generation consumes natural resources (coal, oil, gas) and creates atmospheric emissions CO ² , SO ² , etc. CO ² leads to Global Warming and SO ² leads to Acid Rain	M	Energy efficient lighting. Adopt more energy saving ideas. E.g. Switching off lights & PC's. Monitor electricity usage.

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Ref.	Aspect	Impact / issue	Sig. Rating (High/Medium/Low)	Control Measures
7	Company Vehicles	Typical vehicle is 1.8 litres engine capacity. Typical emissions would be 0.36kg CO2 per mile. At 25,000 business miles per car per annum = 6 vehicles x 25,000 Miles= 150,000 tonnes x 0.36 = 54,000 = 5.4 tonnes CO2 The scale of emissions depends on how well the vehicles are maintained and how well they are driven, as is tyre usage.	M	Good car and vehicle maintenance should be instigated. ENVIRONMENTAL TARGETS - Carbon footprint reduction: • We will measure our carbon footprint by the end of 2019. • We will reduce our overall carbon footprint by the end of 2020.
8	Hazardous Waste Spillage	Hazardous Waste Spillage's must be cleaned up in accordance with the emergency procedure for spillage to reduce any pollution of land or water pathways.	L	The company will allocate spillage kits around each of the sites where the client has not provided or implemented a system. Attached to the spillage procedure will be an Incident form and an Environmental contact list. Spill Kits - Training will be given to employees in the use of spillage kits and this will also form part of any tool box talks that may be required on an annual basis.
9	Noise Exposure to neighbours	Noise Exposure to neighbours in the surrounding area - there are no Noise Limits set by the Local Authority.	M	No significant noise is produced through normal business activities. All site activities are assessed on project basis.

Appendix 1: Environmental Awareness Register

Note: A copy of this Register is to be submitted to the Company's master Training Records File.

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Appendix 2: Environmental Induction Register for the Contract, Activity or Process			
Company:			
Site location:		Date:	
Lecturer:			
No.	Print name	Signature	

Note: A copy of this Register is to be submitted to the Company's master Training Records File.

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Appendix 3: Environmental Incident Report Form				Ref No. (Office use only)		
Client						
H.O. Address						
Tel No.		Fax No.				
GENERAL DETAILS						
Site Address						
Site Tel No.		Date of Incident		Time of Incident		am/pm
Exact location of Incident						
Is your Company in overall control of the site / premises?				YES	NO	
If NO, give the name, address and telephone number of the following:						
Principal Contractor	Name				Tel No.	
	Address					
Full details of Environmental incident.						
Full account of Incident – state extent and type of contamination and breach of requirements.						
Names and addresses of any witnesses to the Incident						
1	Name				Tel No.	
	Address					
2	Name				Tel No.	
	Address					
Any other details						
Report completed by						
Name (print)				Signature		
Position				Date		

Note: Any Environmental incident should be reported to Senior Management immediately by telephone. A copy of this Incident Report should be forwarded to the Director in charge of Environmental issues at Head Office.

Appendix 4: Noise Assessment Record Form														
Client														
Location														
Work Activity														
Type of plant / equipment														
Source(s) of noise														
Conditions														
Present noise control measures														
Type of hearing protection used														
Noise Meter Manufacturer		Model		Serial No.		Windshield used?		Date last calibrated						
Sampling Point		Maximum Noise Level dB(A)			Maximum Exposure Time (hours)			Persons affected						
Type of Noise (✓)														
Continuous			Transient			Impulsive			Airborne			Structural		
Recommendations														
Assessment completed by														
Name (print)									Signature					
Position									Date					

Note: A copy of this Noise Assessment should remain on site and a copy forwarded to Head Office.

Appendix 5: Construction environmental management checklist

Site address:	
Contract start date:	
Contract duration:	
Date of inspection:	

Raw materials - inspection, storage and use

	Yes	No	Comments
Are there adequate storage facilities for raw materials on site?			
Are materials inspected on arrival?			
Are stock levels maintained to suit the work as the project develops?			
Is there any evidence of over ordering?			
Is there any evidence of damage to stored materials?			
Can good quality off-cuts etc. of raw materials be reused?			

Materials management

	Yes	No	Comments
Can breakage and damage to materials be reduced through better materials management?			
Does spillage occur when materials are transferred?			
Are staff trained to deal with spillages, e.g. in the use of spill kits etc.?			
If fuels, chemicals and paints etc. are stored on site, are they adequately bunded to control leakage?			
Are quantities of oil held on site, in excess of 200 litres? If so, are suitable bunds (that hold 110% of the storage capacity of the oil tank) in place?			
Is oil storage away from watercourses and drainage?			
Are there any problems on site with oils or chemicals leaking into watercourses?			

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Packaging

	Yes	No	Comments
Are there designated disposal routes for transit packaging (e.g. pallets, slip-sheets, shrink wrap)?			
Are raw material containers re-used for transporting materials within the process?			
Is raw material packaging recycled?			
Are there any ways of minimising packaging by agreement with suppliers and customers?			
Can any packaging for products be reused in the workplace or elsewhere?			
Is any packaging returned to suppliers for reuse?			
Is any waste electrical and electronic equipment (WEEE) generated on site?			
Is the process for disposing of WEEE understood?			

Water usage

	Yes	No	Comments
Has all surface water and foul drainage on site been identified?			
Is there evidence of run-off from spoil heaps?			
Is there evidence of vehicle/machinery washing, and, if so, is run-off contained?			
Are all hosepipes fitted with triggers?			
Is water usage being monitored?			

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Waste

	Yes	No	Comments
Have defined areas been set aside for waste storage?			
Are all waste receptacles suitably marked?			
Are skip sizes appropriate and emptied regularly?			
Are inactive waste streams segregated to ensure that the correct landfill tax tariff is applied?			
Is it possible to rationalise the number of waste collections?			
Did you shop around local waste contractors to find the best option for your business?			
Are materials collected separately for recycling?			
Are recyclables visible in the general skip?			
Are pallets re-used/recycled?			
Are any hazardous wastes generated on site?			
Is waste documentation held on site?			
Are copies of carrier licences held?			
Is the site manager aware of the duty of care?			
Is there any evidence of fly-tipping or waste dumped on site by non-construction site personnel?			