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LIDL GREAT BRITAIN LIMITED
DOWNLANDS RETAIL PARK, LYONS WAY, WORTHING

CONDITION 3 CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN

NOVEMBER 2023



the journey is the reward

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NOVEMBER 2023

Project Code:	**27186 - LIDLDowlandsRP(CEMP).9**
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Lidl Great Britain Limited

Downlands Retail Park, Lyons Way, Worthing

Condition 3 Construction Environmental Management Plan

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1 Introduction

1.1 This Condition 3 Construction Environmental Management Plan (CEMP) has been commissioned by Lidl Great Britain Limited in support of planning application AWDM/2026/22:

"External alterations, amalgamation and refurbishment of existing units 2 & 3, including associated works to the car park including new trolley bay and servicing areas and widening of use to enable the sale of food and drinks, and associated non-food goods from the unit."

1.2 It is understood that Condition 3 of the above application requires that:

"No works shall commence on the site hereby permitted (including site clearance or preparation) until the details of a Construction Environmental Management Plan (CEMP) have been submitted to and approved in writing by the local planning authority (who shall consult with National Highways). Thereafter the construction of the development shall proceed in strict accordance with the approved CEMP unless otherwise agreed in writing by the local planning authority (who shall consult National Highways). The CEMP must include the proposed construction phase mitigation in the approved air quality impact assessment."

1.3 The relevant elements of the above condition are presented within the following site specific management plan. This document provides the identification, control and management of environmental effects associated with the proposed works upon the noted sensitive receptors. It provides a summary of the constraints and mitigations presented within the supporting technical documents and it is required that this document is read in conjunction within these referenced documents.

1.4 At time of writing a contractor had not yet been appointed.

2 Project Description

Overview

2.1 The site is located on the northeast edge of Worthing, within the Downlands Retail Park on Lyons Way, adjacent to the A27.

2.2 The location of the site in relation to the local highway network is illustrated below in **Figure 2.1**.



SOURCE: openstreetmap.org

Figure 2.1 Site Location in Relation to Local Highway Network.

2.3 The existing site layout is provided in **Figure 2.2**. The retail park currently contains a Currys PC World (Unit 1), Bensons for Beds (Unit 2), Halfords (Unit 3) and B&Q (Unit 4).

Proposed Works

2.4 As noted above, the proposed development will comprise conversion of retail units 2 and 3 to form a new Lidl store. This will involve internal layout changes and fit-out, along with foul sewer diversion, gas diversion works and power cable lay in the rear service yard. The section of car park to the front of the new store will be planed off and relaid, with new car park arrangement and trolley bays. The proposed site layout is illustrated in **Figure 2.2** below.



SOURCE: Mountford Pigott drawing 2227-020x01-A

Figure 2.2 Existing Site Plan

2.5 **Table 2.1** sets out the planned phasing for the project.

Work stage description	Timescales	Number of staff on-site
Mobilisation	January 2024	10
Demolition & Shell works (Base build)	February – April 2024	15
Fit out building works	April - June 2024	25
Car Park works	July 2024	15
Demobilisation	August 2024	10

Table 2.1: Project phasing

2.6 The following sections describe the nature of the site constraints and the mitigations identified to ensure that sensitive receptors are protected from any potential impacts as a result of the works.

3 Site Environmental Constraints

3.1 The following summarises the site environmental constraints as identified within the supporting documents.

Sensitive Receptors

3.2 A review of potential site constraints includes:

- local ecology:
- surface water;
- air quality;
- noise;
- site operatives; and
- transient human receptors

3.3 Where documents are referred to in relation to the identification and control of construction impacts upon these receptors, Lidl Great Britain Limited will ensure that these have been reviewed and that they have obtained any subsequent revisions.

Ecology

3.4 The nature of the redevelopment, as an amalgamation and refurbishment of existing units, is such that an ecological appraisal has not been required. However, existing green landscaping is associated with the site and this will remain in situ and protected during works, insofar as this is possible. In particular, where significant trees or shrubs are located within the works area, these will be protected by a Construction Exclusion Zone (CEZ) in line with BS 5837 Trees in Relation to Design Demolition and Construction.

Hydrology

3.5 A topographical survey has been undertaken by Greenhatch Group[1]. No surface water features are identified within or adjacent to the site boundary. It does however note the location of gulleys across the external car park area. The nature of the redevelopment, as an amalgamation and refurbishment of existing units, is such that it is not anticipated that there will be open ground on site. However, some ground-breaking will be required during trenching works in the service yard for services and foul sewer diversion. Where this occurs, the contractor will ensure that any muds and/ or silts are contained within the service yard area.

[1] L, W. D, H. (2020) *Downlands Retail Park, Lyons Way, Worthing. Topographical Survey Quality Ref GH8809. Drawing No.38311_T* Greenhatch Group, Derby.

3.6 All gulleys will be protected as described in the Surface Water Method Statement within **Appendix A** and all operatives will be familiar with the associated **Incident Response Plan**

Air Quality and Dust

3.7 The redevelopment is located within the Worthing Air Quality Management Area (AQMA) No.2. This has been declared due to exceedences of the annual mean objective for Nitrogen Dioxide (NO_2). As a result, it is required that the CEMP includes for *'the proposed construction phase mitigation in the approved air quality impact assessment'*.

3.8 The approved Air Quality Impacts Assessment has been provided by Air & Acoustic Consultants[2]. This includes for a site-specific Institute of Air Quality Managers Dust Risk Assessment. The resulting mitigations proposed are provided in Dust Mitigation Measures in **Appendix B**

Noise

3.9 The nature of the redevelopment, as an amalgamation and refurbishment of existing units, is such that a noise assessment has not been required. It is not anticipated that the works will result in noise levels which are of a type or duration to be considered intrusive. However, good practice noise mitigation will be observed and these are set out in the Noise Mitigation Measures in **Appendix C**.

Site Lighting

3.10 Where required, site lighting will be positioned and directed so as not to intrude unnecessarily on adjacent buildings or affect local ecology, specifically bats. Any site lighting will conform to the following;

- Only be on when needed;
- Only to be provided to the area that needs it;
- Be no brighter than necessary;
- Include full cut off;
- Minimize blue light emissions such as LED and metal halide with preference toward low and high power sulphur, low colour temperature or narrow spectrum LED.

Site Operatives

3.11 A building condition survey carried out by Paragon[3] has indicated that no further testing is required for asbestos, concrete (HAC, Chlorides and Woodwool) or environmental

[2] C, W. (2023) *Worthing Retail Limited. Downlands Retail Park Worthing. Air Quality Assessment*. Air and Acoustics, Birmingham.
[3] Sherrell, M. (2022) *Building Condition Survey Report. Units 2&4 Downlands Retail Park, Lyons Way, Worthing BN14 9FB. Reference: 22.1041/MS/RMc*. Paragon, London.

matters. However, site operatives have the potential to be at risk from elevated levels of dust and noise during site activities. Therefore, operatives will be required to be protected from potential effects by the adherence to on-site health and safety protocols and the use of all necessary Personal Protective Equipment.

Transient Human Receptors

3.12 Those transient receptors with the potential to be affected by the construction works have been identified as:

- Pedestrians along Lyons Way;
- Shoppers within the retail park.

Measures to protect these receptors from unacceptable environmental impacts are set out within **Appendices B and C**.

4 Considerate Contractors Scheme

4.1 The Contractor will register the site with the 'Considerate Constructors Scheme' (CCS). Contractors which register with the scheme are required to demonstrate the implementation of a five point 'Code of Considerate Practice'. The categories within this code are set out below.

- **Appearance:** Constructors should ensure sites appear professional and well managed.
- **Respect for the Community:** Constructors should give utmost consideration to their impact on neighbours and the public.
- **Protect the Environment:** Constructors should protect and enhance the environment.
- **Secure Everyone's Safety:** Constructors should attain the highest levels of safety performance.
- **Value their Workforce:** Constructors should provide a supportive and caring working environment.

Site Environmental Standards

4.2 The Contractor will be expected to review the CEMP and adhere to the contents.

Toolbox Talks

4.3 Inductions and regular toolbox talks will ensure that site environmental standards are achieved for general operations that fall outside the risk assessment/method statement procedure designed to cover the majority of construction activities. They will cover the following issues:

- Storage of materials;
- Management of waste;
- Water pollution;
- Noise;
- Air quality; and
- Ecology

4.4 The standards will be used as a briefing tool on site.

5 Construction Logistics Management

Collection and Delivery Times

5.1 Site hours will be within 07:00 to 18:00 on weekdays and 08:00 to 13:00 on Saturdays. There will be no working on Sundays.

5.2 Generally, delivery of materials and plans and removal of waste will typically occur between 08:00 and 17:00 on weekdays and between 08:00 and 12:00 on Saturdays. There may be exceptional circumstances where deliveries need to occur outside these times but within the operational hours of the construction site.

5.3 The site manager will be responsible for management of site logistics.

5.4 Vehicle movements will be planned to ensure that vehicles do not arrive or depart outside of permitted working hours. Furthermore, movements will be coordinated when possible and appropriate to minimise activity during the weekday morning and evening peak hours of 06:30 to 09:30 and 16:00 to 18:30 respectively when the surrounding highway network will typically be at its busiest, i.e. typical commuter related travel times.

5.5 Delivery vehicles will be controlled at all times to ensure that unloading and loading only takes place within the designated time slots and within the site hoarding. Vehicles will enter the compound area via gates that will be supervised by signallers to ensure no deliveries are kept within the wider site. Alternatively, deliveries may be made directly into the building itself.

5.6 All subcontractors and suppliers will be required to arrange delivery slots in order to prevent congestion on the local highway network and manage traffic within the car park. Where possible, all deliveries will be booked with at least 48 hours' notice. If any changes are required to the timed delivery or collection, this will need to be rearranged with the site manager or logistics manager. Efficient management of the scheduling of deliveries will minimize the storage capacity required on site, double handling, and congestion to the local highways.

Vehicular Access to Construction Site

5.7 It is expected that all construction traffic will access the site from the A27 via Lyons Way, as shown by the red lines in **Figure 5.1**. It is possible that a small number of contractors may travel for commuting purposes via Upper Brighton Road, if they live locally to the site. Further afield, delivery vehicles are expected to use the A2032 and A24 to access the A27.



SOURCE: Openstreetmap.org

Figure 5.1: Construction Traffic Routing

5.8 The vehicular routing plan requires travel on main roads where possible to minimise travel through residential or built-up areas, to avoid pedestrian activity as far as possible and avoid undue interference with the safety and operation of the surrounding movement network, with all drivers encouraged to use A-roads and B-roads where possible.

5.9 Direct access to the construction site will be via the bellmouth entrance into the retail park car park for LGVs and staff vehicles. The existing arrangement of the car park has not been designed to enable access by HGVs, and therefore deliveries by HGV will need to occur from the service yard to the rear of the retail unit, which is designed for such vehicles. Additionally, vehicles required for the trench works for the foul sewer diversion, gas diversion works and power cable lay will also travel directly to the service yard.

5.10 All suppliers will be informed of the protocol regarding deliveries and collections.

5.11 Construction vehicles will be prevented from waiting, standing and queuing upon the surrounding highway network through the implementation of the following measures:

- Construction vehicle movements will be planned to ensure that vehicles do not arrive or depart outside permitted working hours so that vehicles only arrive when the site is open;
- No waiting or parking will be permitted on Lyons Way. This will ensure pedestrian safety within the vicinity of the site;

- The site manager and designated foreman will ensure that there is no daytime or overnight parking of construction vehicles on public highways within the vicinity of the site. Any such parking overnight within the site will only be with the consent of the site management;
- All staff parking will be provided within the site and staff members will be encouraged to use sustainable travel to access the site if possible. Staff will be informed that no parking is permitted on surrounding streets;
- Construction deliveries must obey local traffic regulation orders, waiting restrictions and loading prohibitions, including minimising any obstruction or impact to the existing residential properties adjacent to the site.
- All access and egress points to the site will be kept clear at all times to ensure that construction vehicles are able to enter and exit without delay; and
- All construction vehicle drivers will be informed of the above procedures prior to travelling to the site.

5.12 Lidl and/or the construction managers will ensure that all contractors are provided with the above information.

Construction Site Arrangement

5.13 A compound will be provided throughout the construction period, located within the main retail park car park. The site compound area, including staff welfare facilities, will be established and appropriately signed within one week of commencement of development to ensure good practice from the outset.

5.14 The compound will comprise dedicated areas for the following:

- A materials store (gated);
- An area for the storage of waste; and
- Welfare facilities, including site manager's office, staff canteen, drying room and WCs.

5.15 The majority of materials will be stored within the retail building for security, but bulky materials such as roof and cladding panels will be stored externally. There will also be a storage container for items of equipment to be stored in and locked when no one is on site.

5.16 All deliveries will occur within the site; there will be no roadside deliveries.

5.17 The **Approved Site Compound Layout** in the drawing section of this management plan sets out the proposed construction site arrangement, with welfare and laydown facilities close to the front of the store unit, and contractors' parking in a dedicated area.

5.18 The welfare and laydown area will be Heras fenced with dust sheeting/nets and gates. Access must be retained to B&Q and Currys, so all through roads will be left free and open.

5.19 Part of the car park will be planed and relaid, and during this period, the fencing will be extended around the relevant section of the car park for the short works period only.

Site lighting

5.20 During the winter, there may be times when the site is in operation outside of daylight hours but within the work times. This may require the provision of lighting for the welfare/laydown area, which will be directed into the relevant section of the site to minimise impacts on adjacent properties.

5.21 Lighting will be designed to ensure that minimum standards such as the HSE guidance HSG 38 Lights at Works are met.

5.22 Lighting will only be provided to areas where it is necessary to ensure safe working and pedestrian access and for security reasons.

5.23 Further details on lighting restrictions for the protection of nocturnal animals are set out in **Section 3**.

Screening and hoarding

5.24 Security hoarding will be erected prior to the commencement of works on-site. The hoarding will be positioned so as not to cause physical obstruction or impede vehicular or pedestrian sightlines.

5.25 Heras fencing of at least 2m in height will be utilised on the boundaries to the construction site and welfare/laydown areas, to ensure public safety and prevent trespass. Pedestrian security gates will be present at the entrance to the compound.

5.26 Fencing will be frequently inspected, repaired and repainted as necessary.

5.27 Where practical and safe, observation panels may be provided for public interest.

5.28 All fencing will be in place prior to the commencement of construction works and remain in place for the duration of the build programme.

Site signage

5.29 If required by the contractors and subject to relevant consents, signage will be provided on the external public highway for construction vehicles travelling to the site.

5.30 Clear publicity signage will be provided on the hoarding around the site to ensure that the general public is made aware of the development plans and of the contact details of the site representative, should they have any comments or complaints.

5.31 Health and Safety information signage will be displayed adjacent to the vehicular and pedestrian gates into the site, for staff, contractors and deliveries.

Pedestrian and cyclist access

5.32 There will be no public walking or cycling routes through the construction site or compound. When works are being undertaken within the car park, these areas will be blocked off from public pedestrian, cycle or vehicular access.

5.33 The site hoarding will provide protection to pedestrians and cyclists passing the site. The public pedestrian footways within the retail park beyond the site hoarding, will be retained and kept open at all times, unless temporary closure is required to enable safe construction in close proximity to the site boundaries.

Estimated Vehicle Movements

5.34 **Table 5.1** sets out expected delivery numbers for each stage of work.

Work stage description	Timescales	Estimated daily deliveries – LGVs	Estimated daily deliveries – HGVs
Mobilisation	January 24	1	1
Demolition & Shell works (Base build)	February – April 24	2	1
Fit out building works	April - June 24	2	1
Car Park works	July 24	1	0.5
Demobilisation	August 24	2	0.5

Table 5.1: Delivery vehicle movements

5.35 Additionally, large equipment will be brought onto site including:

- Crane to install new roof panels and cladding at rear and canopy steels;
- Telehandler, on-site for the majority of construction;
- Mini-excavator for drainage works and coldroom recesses;
- Forklift for loading/unloading of materials;
- Up to eight scissor lifts for M&E works and decoration;
- Genie lift for external items; and
- Tarmac planer and paver for car park works.

5.36 This equipment will be brought in at the start of the relevant stage of work and removed once that stage is complete; it will not be moved to and from the site on a daily basis.

Control of debris onto highways

5.37 Any vehicles arriving at and departing from the site will be securely covered to prevent the escape of materials during transport. This is a requirement of National Highways.

5.38 As the site proposals comprise conversion of an existing building and planning and relaying of existing car parking areas, there will be no open ground on the site that might lead to mud or debris being tracked onto public highways by site vehicles. Vehicles are expected to remain on hardstanding at all times.

5.39 If debris is spread beyond the site, the developer will undertake to sweep the roads and footpaths immediately adjoining the site on a daily basis, as and when required, to remove any spoil or debris deposited on the highway resulting from the construction works on the site.

Sustainable Travel for staff

5.40 Staff will be encouraged to travel to and from the site by sustainable modes, which will include walking, cycling, public transport and car sharing.

5.41 There is existing cycle parking to the front of the retail unit, which can be used by construction staff, prior to work starting on the external frontage. There are also seven Sheffield stands within the main car park, which are proposed to be relocated as part of the proposals. Works will ensure that some of these spaces are available to construction staff and retail customers of the other units at all times. Additionally, there will be sufficient space within the building for bicycles to be stored internally if required.

5.42 Bus timetable information will be provided to staff and contractors prior to commencement of their employment at the site, although the timings of services may not work well for staff commencing work early in the mornings. A copy of the timetables and bus maps will be displayed within the staff welfare area. At time of writing bus services operated stopping at the adjacent Sainsbury's store are as follows:

- Connector 7 (Stagecoach) between Lancing, Worthing and High Salvington – every 90 minutes; and
- 16 (Compass Travel) between Wes Tarring, Worthing and Lyons Farm – hourly between 10:30 and 16:45.

5.43 Car sharing is expected to occur informally between colleagues working for the same sub-contractors, particularly at the fit-out stage and/or when travelling by works vehicles.

The contractor will provide a car share sign-up sheet within the staff welfare area on which staff can provide their home location, contact details and usual travel times, in order to match with other workers on the site whom they may not know.

6 Planning and Control of Construction Works

Organisation and Responsibilities

6.1 In order to enable efficient working practices on site, the Contactor will provide contact details for the following CEMP team members. These will be retained and displayed at the site office.

Title	Responsibilities
Project Manager	The Project Manager will act with responsibility for managing the works within the agreed environmental constraints and in conjunction with all other necessary management processes.
Site Manager	The Site Manager will ensure that all environmental policies addressed in the CEMP are adhered to by operatives and sub-contractors throughout the works. They will also provide a point of contact for any concerns raised by existing tenants.
Environmental Manager	The Environmental Manager will report to the Project and Site Managers and will be responsible for monitoring the works against statutory requirements and the agreed environmental standards.
Community Liaison	The Community Liaison contact will report to the Project and Site Managers. Their contact details will be available on site hoarding and they will be responsible for all communications with the community and investigating and managing any complaints made.

Table 6.1: CEMP Team and Responsibilities

6.2 Details for the Site Manager and Community liaison contact will be clearly displayed on any boundary hoarding along with any complaints procedure.

Action Plans/Method Statements

6.3 Where required, an Action Plan or Method Statements will be prepared by the Site Manager and Environmental Manager to identify and sequence mitigation activities that may be needed in order to complete a required site works process.

6.4 Action Plans and Method Statements will include a review of the environmental risks and commitments, so that appropriate control measures can be developed and included within the construction process.

6.5 Where required, all plans and statements will be submitted to the enforcement agencies (e.g. Environment Agency, Local Authority Pollution Control Department), as appropriate.

Objectives and Targets

6.6 Lidl Great Britain Limited have several key performance indicators for sustainability including am aspiration to become carbon neutral in their own operations. These mainly relate to packaging waste and emissions. Whilst these apply primarily to own brand packaging and suppliers, there will be a requirement upon the contractors and suppliers to employ sustainable practices such as:

- using materials with low embodied carbon;
- using low emission fleets;
- recycling of waste products; and
- return of packaging waste to suppliers.

Incident Response Procedure

6.7 Whilst it is anticipated that minimal amounts of fuel will be stored on site, the Site Manager will ensure that all staff are familiar with the details of Surface Water Protection Measures and the Incident Response Plan provided in **Appendix A** including the appropriate actions, relevant personnel and emergency contact numbers. The Incident Response Procedure will be communicated to all staff at induction and during relevant tool-box talks.

Waste Management

6.8 All waste will be collected by an external contractor who will be a Registered Waste Carrier and are certified to take all site waste arisings.

6.9 The waste contractor will have a stated aspiration to recycle 100% of the waste they handle and be able to operate same day waste collections.

Training, Awareness and Competence

6.10 **The raising of environmental awareness is viewed as a crucial element in the appreciation and implementation of any CEMP. In order to ensure the environmental control measures are effective, all staff will be provided with appropriate training prior to starting work on site.** This will include

- a site induction;
- emergency response training;
- familiarisation with site environmental controls; and
- specific environmental training for relevant employees e.g. installing erosion and sedimentation controls, daily checks to maintain controls, cleaning up spills.

6.11 Managers and supervisors will ensure that all personnel engaged in activities that may have an impact on the environment are competent to carry out their duties or, where necessary, arrange for suitable training to be undertaken.

7 Communication and Coordination

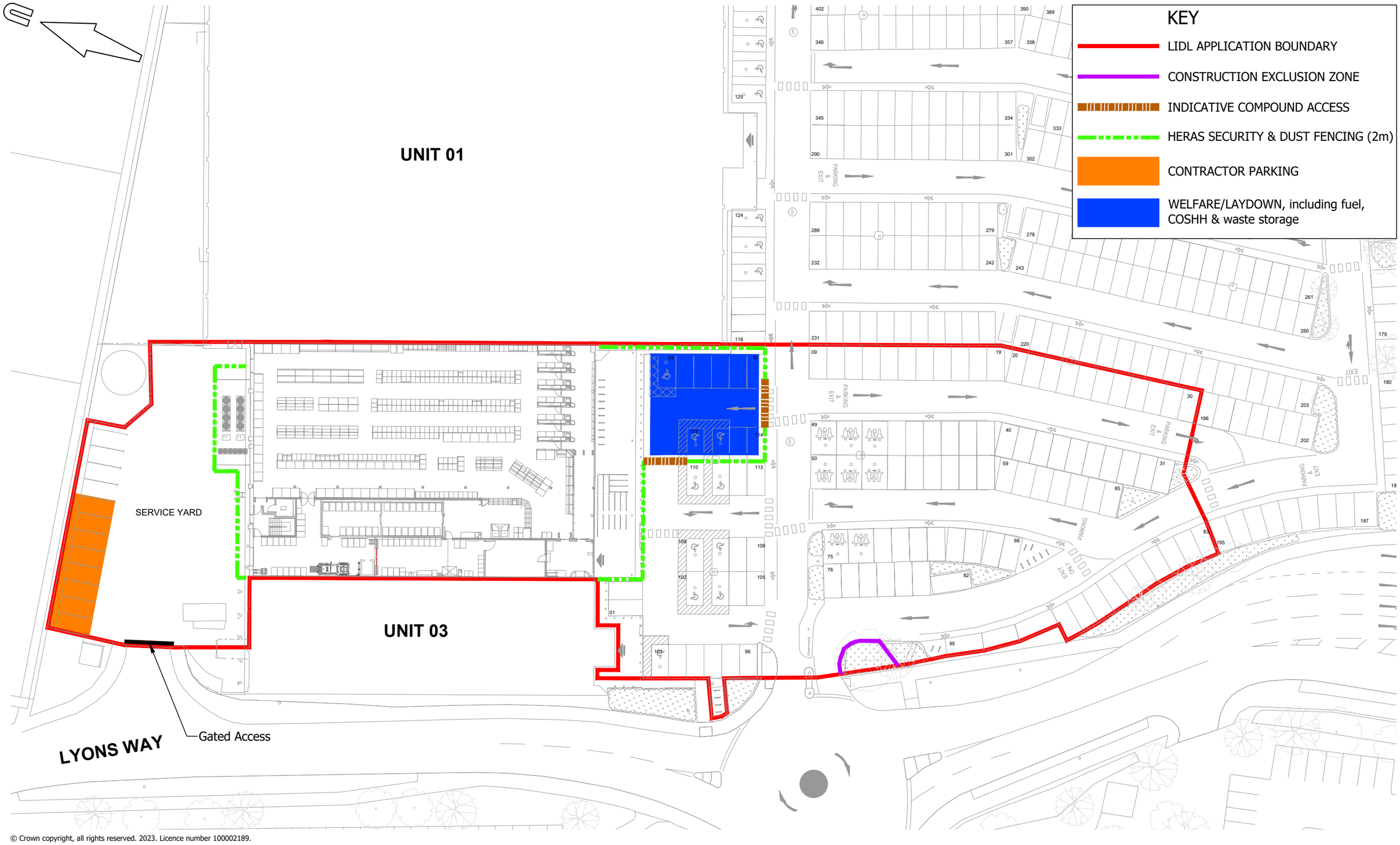
Inspection and Reporting

7.1 The Environmental Manager will carry out regular inspections of the project's environmental performance. These inspections will be used to confirm that:

- construction works are progressing in accordance with the agreed environmental method statements;
- agreed protection or mitigation measures are in place, prior to or during the implementation of construction activities; and
- all mitigation measures in place are appropriately maintained.

7.2 Inspections will be carried out at a frequency of no greater than monthly intervals, but could be held more regularly depending on the nature of the construction activity. An assessment of the environmental performance will be made and discussed at progress meetings and inspections will be recorded.

Drawings



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client
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project
DOWNLANDS RETAIL PARK
WORTHING

title
APPROVED SITE COMPOUND LAYOUT

scale	drawn by	checked by
1:500 @ A3	JRH	AH

date	cad file
OCTOBER 2023	SK01.DWG

drawing number	rev.
LIDLDOWNLANDSRP(CEMP).1/SK01	P2

Appendix A – Surface Water Protection Measures

Surface Water Protection Measures

Completed by:
Andrea Hughes – Downlands Retail Park, Construction Environmental Management Plan Author.

Risk Activities/Tasks
Potential for pollutants to enter the surface water system

Actions Required

- Confirm the location of live gullies on site prior to commencement.
- Provide protections to any gullies likely to be affected by works.
- Ensure no fuel or chemicals are stored near live gullies, even if protected.
- Where groundworks are undertaken, ensure no muds or silts are permitted to leave site. This may require wheel wash facilities or road sweepers during some phases of works.
- Any tanks and containers to be labelled with nature of contents and total volume secured.
- Supervisors to be familiar with the provisions of CIRIA 'Environmental best practice on site guide (4th edition) re control of contaminated run off.
- All operatives to be familiar with the Incident Response Procedure and trained in spill response.

Stop – Contain – Notify

Diesel Spills

Call for aid

Stop work immediately and prevent any more material escaping, e.g. right the jerry can, close valves

Call for aid

Protect any adjacent surface water feature using the adjacent spill kit contents. Clear up spill

Notify the site manager / foreman with the following information:

- where the substance has entered the drain/watercourse or is affecting the environment
- substance involved
- location
- reason for incident
- quantity involved.

Site Manager will dispose of used materials appropriately and replace the used kit

Spillage type

Major: Cannot be controlled, pollution has entered, or could enter a drain or watercourse. Report to the foreman/supervisor immediately

Minor: Can be controlled, pollution has note entered, and cannot enter a drain or watercourse. Report to the foreman/supervisor immediately

Foreman/supervisor instructions

Major: Contain and report immediately

Minor: Clean up immediately using appropriate materials (granules, pads etc)

In Major instance report to EA (see contact below)

Contact

Environment Agency (EA) Emergency Spill Line 0800 80 70 60

Write up report of incident to be retained in site records including:

- date, time, location of spill
- substance(s) involved
- action taken to contain it
- lessons learnt.

Adapted from: Environmental good practice on site guide (fourth edition) CIRIA

Appendix B – Dust Mitigation Measures

Dust Mitigation Measures

Completed by:

Andrea Hughes – Downlands Retail Park, Construction Environmental Management Plan Author.

Taken from approved air quality impact assessment in accordance with Condition 3[1].

Actions Required
Specific Mitigations Avoid scabbling (roughening of concrete surfaces) if possible; and Ensure sand and other aggregates are stored in bunded areas and are not allowed to dry out, unless this is required for a particular process, in which case ensure that appropriate additional control measures are in place. General Construction Mitigation Measures The following measures are based on 'Low Risk' sites, which has been determined in the Dust Risk Assessment section. COMMUNICATIONS Display the name and contact details of person(s) accountable for air quality and dust issues on the site boundary. This may be the environment manager/engineer or the site manager; and Display the head or regional office contact information; DUST MANAGEMENT Develop and implement a Dust Management Plan (DMP), which may include measures to control other emissions, approved by the Local Authority. The level of detail will depend on the risk, and should include as a minimum the highly recommended measures in this document. The desirable measures should be included as appropriate for the site. Site Management Record all dust and air quality complaints, identify cause(s), take appropriate measures to reduce emissions in a timely manner, and record the measures taken; Make the complaints log available to the local authority when asked; and Record any exceptional incidents that cause dust and/or air emissions, either on- or offsite, and the action taken to resolve the situation in the log book. Monitoring Undertake daily on-site and off-site inspection, where receptors (including roads) are nearby, to monitor dust, record inspection results, and make the log available to the local authority when asked. This should include regular dust soiling checks of surfaces such as street furniture, cars and window sills within 100 m of site boundary, with cleaning to be provided if necessary; Carry out regular site inspections to monitor compliance with the DMP, record inspection results, and make an inspection log available to the local authority when asked; and Increase the frequency of site inspections by the person accountable for air quality and dust issues on site when activities with a high potential to produce dust are being carried out and during prolonged dry or windy conditions. Preparing and maintaining the site Plan site layout so that machinery and dust causing activities are located away from receptors, as far as is possible; Erect solid screens or barriers around dusty activities or the site boundary that are at least as high as any stockpiles on site; Fully enclose site or specific operations where there is a high potential for dust production and the site is actives for an extensive period; Avoid site runoff of water or mud; Keep site fencing, barriers and scaffolding clean using wet methods;

[1] C, W. (2023) *Worthing Retail Limited. Downlands Retail Park Worthing. Air Quality Assessment*. Air and Acoustics, Birmingham.

- Remove materials that have a potential to produce dust from site as soon as possible, unless being re-used on site. If they are being re-used on-site ensure they are kept covered; and
- Cover, seed or fence stockpiles to prevent wind whipping.

Operating vehicle/machinery and sustainable travel

- Ensure all vehicles switch off engines when stationary - no idling vehicles;
- Avoid the use of diesel or petrol powered generators and use mains electricity or battery powered equipment where practicable; and
- Impose and signpost a maximum-speed-limit of 15 mph on surfaced and 10 mph on unsurfaced haul roads and work areas (if long haul routes are required these speeds may be increased with suitable additional control measures provided, subject to the approval of the nominated undertaker and with the agreement of the local authority, where appropriate).

Operations

- Only use cutting, grinding or sawing equipment fitted or in conjunction with suitable dust suppression techniques such as water sprays or local extraction, e.g. suitable local exhaust ventilation systems;
- Ensure an adequate water supply on the site for effective dust/particulate matter suppression/mitigation, using non-potable water where possible and appropriate;
- Use enclosed chutes and conveyors and covered skips;
- Minimise drop heights from conveyors, loading shovels, hoppers and other loading or handling equipment and use fine water sprays on such equipment wherever appropriate; and
- Ensure equipment is readily available on site to clean any dry spillages and clean up spillages as soon as reasonably practicable after the event using wet cleaning methods.

Waste Management

- No bonfires and burning of waste materials.

Appendix C – Noise Mitigation Measures

Noise Mitigation Measures

Completed by:
Andrea Hughes – Downlands Retail Park, Construction Environmental Management Plan Author.

Actions Required
• Appropriate space to be provided for parking and turning of operative, construction and visitor vehicles. • All vehicle drivers to be advised of agreed haulage routes selected to minimise any noise impact arising from additional lorry movements; • Silencers or mufflers as appropriate to be fitted to plant and machinery; • A Prior Consent agreement with Worthing Borough Council will be sought for any substantial or particularly noise-sensitive project. Under Section 61 of the Control of Pollution Act 1974 prior agreement can be reached on noise controls, which prevent the need for formal interventions, which may later be introduced without warning, with associated delays and costs. Noise problems as far as is practical will be anticipated in advance and control measures will be agreed with the local authority to prevent problems later; • Noisy plant and equipment will be sited as far away as is practicable from sensitive receptors. The use of barriers and partitions to deflect noise away from noise sensitive areas will be employed wherever practicable. Rapid access to portable acoustic screens such as those specified in British Standard BS5228:1997:Part 1 will be provided; • Where necessary to control noise, hoardings may be provided. Hoarding may take the form of existing buildings, security hoards, or purpose built noise screens. Specific noise reduction hoarding is available where noise impact is a particular issue, or effective hoarding can be constructed on site from two sheets of 12mmmm board filled with a sound absorbing material such Rockwool; • Effective screening/hoarding will be appropriately sited between the noise source and the potential receptor, contain no holes and ensure that the screening material overlaps with minimal gaps; • All plant and machinery will comply with relevant statutory and manufactures' requirements. Vehicles and plant used for the purpose of the works will be fitted with effective exhaust silencers, maintained in good and efficient working order and operated to minimise noise emissions; • Machinery in intermittent use will be shut down in the intervening periods between work or throttled down to a minimum. Noise emitting equipment required to run continuously e.g. generators, will be housed in suitable noise reducing enclosures; • Only "sound reduced" compressors shall be used. Models will be fitted with properly lined and sealed acoustic covers that shall be kept closed whenever the machinery is in use; • Pneumatic percussive tools will be fitted with mufflers or silencers of the type recommended by the manufacturers. Equipment that breaks concrete, brickwork or masonry by bending or by bursting shall be used in preference to percussive tools as far as practicable;

- Where practicable rotary drills bursters actuated by hydraulic, chemical or electrical power will be used for excavating hard or extrusive materials;
- Plant will be maintained in good working order so that extraneous noise from mechanical vibration, creaking and squeaking is kept to a minimum; and
- Care will be taken when loading or unloading vehicles, or moving materials etc to reduce noise impact.