

Construction Management Plan
Ashdown Vale, Barnham



Construction Management Plan

Site: Ashdown Vale, Barnham

Client: Redrow Southern Counties

Planning Authority: Arun District Council

Revision Status				
Rev	Date	Issue Description	Prepared by	Ref
A	Dec 2018	CMP: to discharge Planning Condition 4 Issued for Comment	Dominic Thomas	RH/ASHDOWN/00/CE
B	Dec 2018	CMP: to discharge Planning Condition 4	Dominic Thomas	RH/ASHDOWN/00/CEB

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PREAMBLE

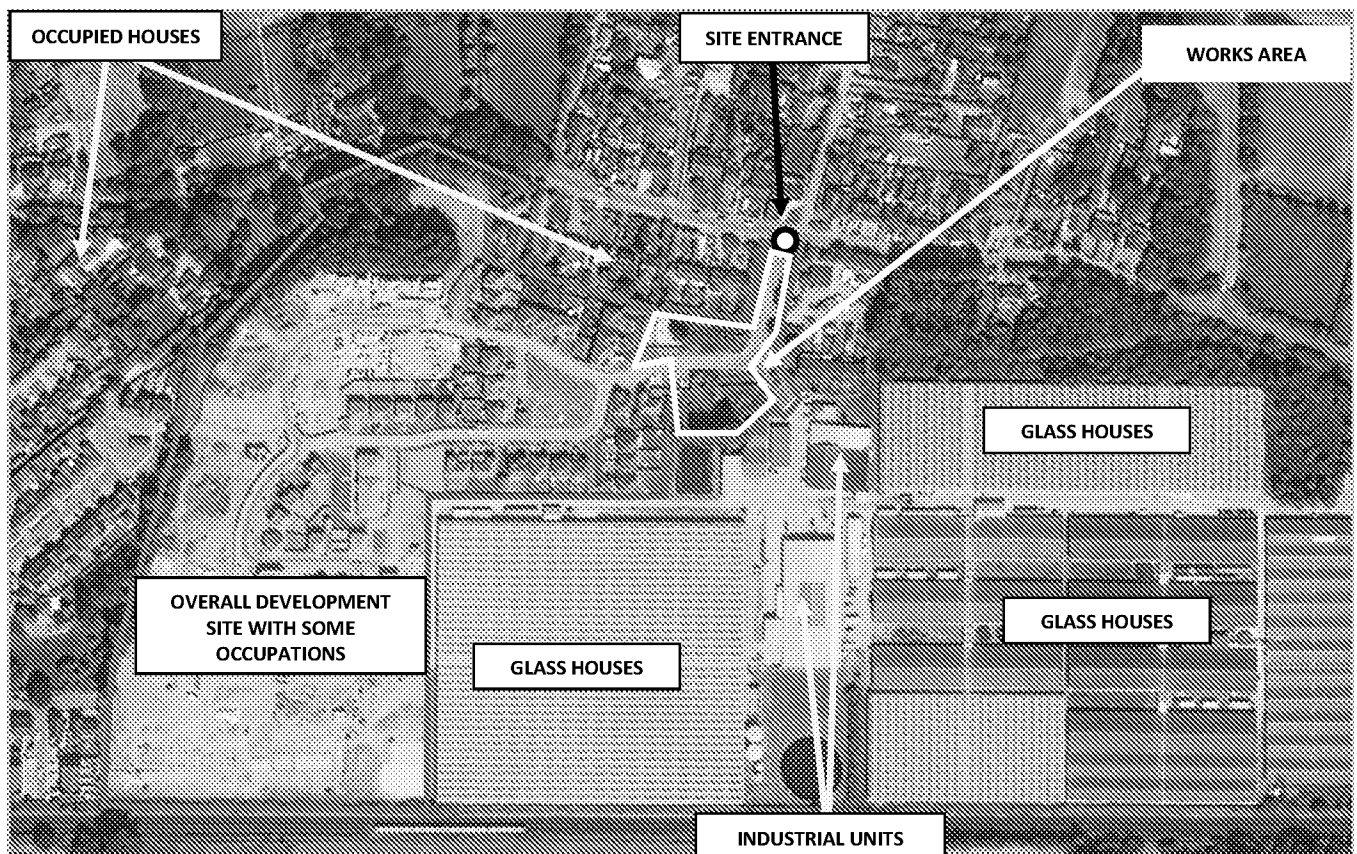
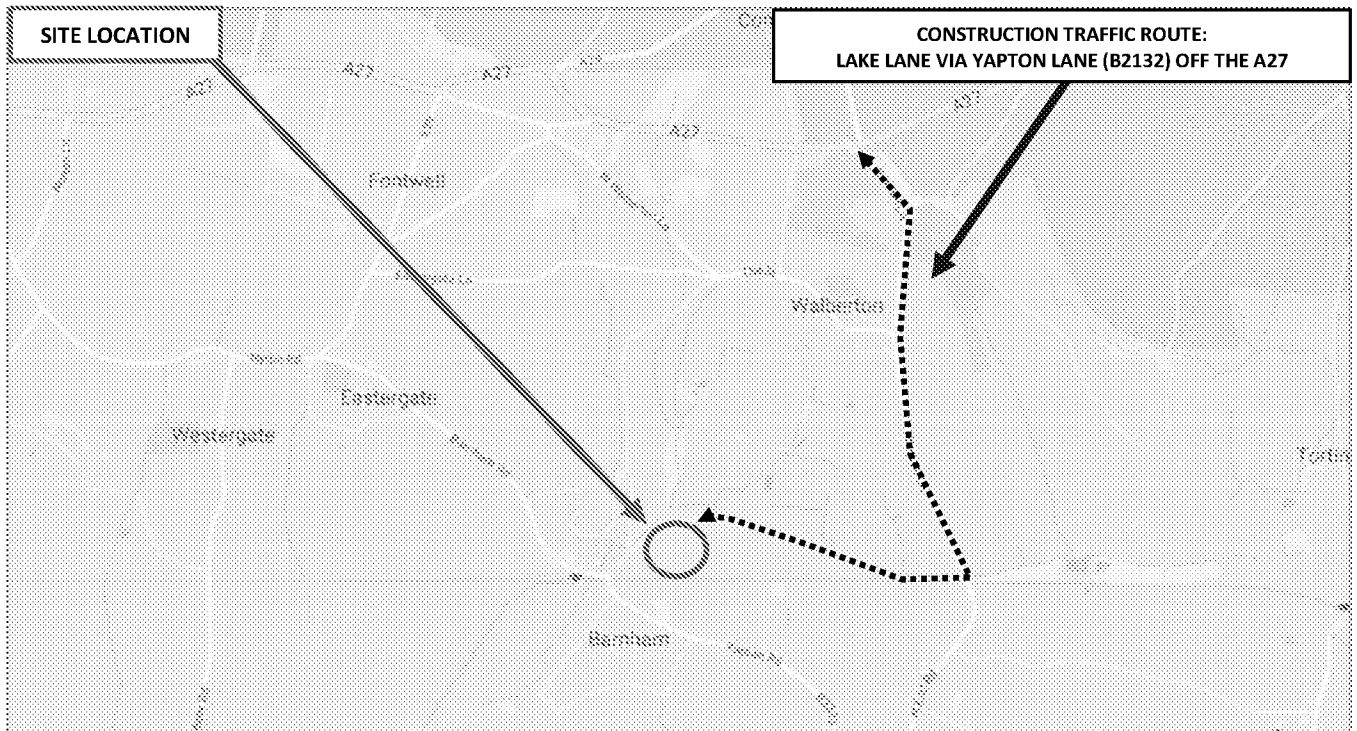
This Construction Management Plan (CMP) has been developed to discharge Condition 4 of the Outline Planning Permission specified by Arun District Council:

Planning Condition 4 – Construction Environmental Management Plan	Location in Document
No development shall take place, including any works of demolition, until a Construction Management Plan has been submitted and approved in writing by the Local Planning Authority. Thereafter the approved Plan shall be implemented and adhered to throughout the entire construction period. REASON: In the interests of highway safety and the amenities of the area. It is considered necessary for this to be a pre-commencement condition because the Construction Management Plan needs to be submitted and approved before work commences on site, in accordance with Policy GEN7 of the Arun District Local Plan. The CMP shall include the following:	
• The anticipated number, frequency and types of vehicles used during construction	Section 2.3
• The method of access and routing of vehicles during construction	Section 2.3
• The parking of vehicles by site operatives and visitors	Section 1.2.4 & 2.2.3
• The loading and unloading of plant, materials and waste	Section 2.2.3 & 2.3
• The storage of plant and materials used in construction of the development	Section 2.2.3
• The erection and maintenance of security hoarding	Section 2.1.1
• The provision of wheel washing facilities and other works required to mitigate the impact of construction upon the public highway (including the provision of temporary traffic regulation orders)	Section 2.2.4
• Details of public engagement both prior to and during construction works	Section 2.1.3

1.0 DESCRIPTION OF PROJECT

1.1 PROJECT TITLE + LOCATION

The site is situated in the north eastern area of the overall Pollard Nursery development site being developed by Redrow Homes south counties, located to the south of Lake Lane in in Barnham, West Sussex, and is centred approximately on the National Grid Reference SU 965 045. This Construction Management Plan (CMP) covers all works associated with the Redrow Homes development.



1.2 SCOPE OF WORKS + CONSTRUCTION PROGRAMME

1.2.1 Scope of Works

The Ashdown Vale development is being managed by Redrow Homes. The development of the former “Eric Wall Nursery” site commenced a number of years ago, with several phases already built and occupied.

The development will eventually deliver up to 107 new homes with associated internal access roads, footpaths, attenuation ponds, landscape & open space (including allotments).

As part of the development, an additional 7 unit will be constructed to the east the marketing suite / sales centre following the demolition of a vacant office building and an area of land to the north of Skylark Way.



SITE LAYOUT FOR INITIAL 107 UNITS



1.2.2 Site Description & Boundaries

The site forms part of the Eric Wall Nursery site and is located adjacent to the entrance of the existing Eric Wall Nursery grounds. The site is predominately flat and covers an area of approximately 0.30 hectares.

The site comprises a single storey flat roof office block and an area of land above Skylark Way.

There are several mature trees surrounding the boundaries of the site, some of which are to be retained.

There are no waterbodies on site however a large reservoir covering approximately 680.00 metres² is located immediately south of the site area.

Site Boundaries

North:	The northern boundary is formed by the rear gardens of occupied houses.
East:	The site is bounded to the east by mature trees with occupied properties beyond and the site access road leading to the still functioning Eric Wall nursery which houses various sheds, industrial units and green houses.
South:	The southern boundary of the site is formed by dense woodland beyond with a reservoir beyond.
West:	The site is bounded to the west by Redrow's marketing suite / sales centre with adjacent construction works beyond.

History of the Development Site

It is understood that the land has always been used as a nursery prior to development.

1.2.3 Key Dates

Demolition Phase (Redrow Homes as PC)	March 2019
Substructure & Superstructure Phase (Redrow Homes as PC)	Approx. June 2019
Project Completion	Approx. September 2019

1.2.4 Build Direction & Site Set-Up Plans

As the 7 unit site is an extension to the existing development, Redrow Homes will share the compound, welfare & parking areas of the adjacent site. The compound (Plot 98) and site car park (Plot 78, 77, 76, 72) are already located in the northern area of the overall development.

The site will generally be developed from west to east (roughly clockwise) - a Build Direction Plan provided in [Appendix One](#) shows the direction of build.

Plans showing the location of the Site Access, Compound, Welfare, Parking, Materials Storage, & Build Direction are provided in [Appendix One](#).

1.3 PROJECT DIRECTORY

Duty-holders will carry out their duties as defined by the CDM Regulations 2015 to ensure that all requirements of the CDM Regulations 2015 are met.

The Client will ensure that a suitably competent Principal Designer, Principal Contractor and Design Team are appointed to oversee the project and afford all project members sufficient time to plan and mobilise their activities

1.3.1 Key CDM Duty Holders Currently Appointed

Client	Company	Redrow Homes Limited
	Address	Unit 1, Faraday Office Park, Basingstoke, Hampshire, RG24 8QQ
	Tel	[REDACTED]
CDM Advisor	Company	GHPC Group Ltd
	Address	11 Milbanke Court, Milbanke Way, Bracknell, Berkshire, RG12 1RP
	Tel	[REDACTED]
Principal Contractor (Demolition, Substructure & Superstructure Phase)	Company	Redrow Homes Limited
	Address	Unit 1, Faraday Office Park, Basingstoke, Hampshire, RG24 8QQ
	Tel	[REDACTED]
Designer – Planning & Working Drawings Architect	Company	Redrow Homes Limited
	Address	Unit 1, Faraday Office Park, Basingstoke, Hampshire, RG24 8QQ
	Tel	[REDACTED]
Designer – Civil Engineer	Company	Redrow Homes Limited
	Address	Unit 1, Faraday Office Park, Basingstoke, Hampshire, RG24 8QQ
	Tel	[REDACTED]
Designer – Structural Engineer	Company	Betts Associates
	Address	6-7 Old Marsh Farm Barns, Welsh Road, Sealand. Flintshire, CH5 2LY
	Tel	[REDACTED]
Designer – Landscape Architect	Company	Allen Pyke Associates
	Address	The Factory, 2 Acre Road, Kingston upon Thames, Surrey, KT2 6EF
	Tel	[REDACTED]

1.3.2 Other Currently Appointed Project Team Members

Site Investigation	Company	Soils Limited
	Address	Newton House, Cross Road , Tadworth , Surrey , KT20 5SR
	Tel	[REDACTED]
Ecologist / Arboriculturalist	Company	RPS
	Address	Lakesbury House, Hiltingbury Road, Chandlers Ford, Hampshire. SO53 5SS
	Tel	[REDACTED]

2.0 DETAILED CONSTRUCTION PROVISIONS

2.1 SITE SECURITY + PROTECTION OF THE GENERAL PUBLIC

2.1.1 Security + Segregation

The Principal Contractor will ensure the site boundaries are fully secure from trespassers / members of the public / children and other site personnel as well as being completely separate from surrounding areas and operations – particular consideration will be given to the adjacent houses, marketing suit / sales centre, industrial units and nearby construction works.

Visitors will be directed (by signage at the entrance gate) to the site office, accessed via clearly defined pedestrian routes, where they will sign in and be inducted by the Site Manager, prior to being permitted on-site.

The Principal Contractor will ensure their site is fully enclosed with heras fencing or hoarding (or a combination of both) and controlled access gates, so the site is completely autonomous from any surrounding areas, clearly defined and separated before any works commence.

All site boundaries will be monitored daily by the Site Manager to ensure any deficiencies / breaches are dealt with quickly and to ensure when the site is left at the end of each working day, security of the site boundary is robust. Any site fencing/hoarding will be thoroughly inspected on a weekly basis by the Site Manager – each inspection will be recorded with details kept in the site office.

2.1.2 Protection of the Public

Redrow Homes are fully committed to protecting members of the public from the construction risks associated with this project, full consideration will be given to the adjacent school and occupied residential properties. As such, as part of the Construction Phase Plans developed for the project, the Principal Contractor will be vigilant to the possibility of work areas being accessed by unauthorised persons (particularly children and teenagers who may see it as an exciting place to play) and ensure that a high standard of housekeeping practices are implemented across the site – to ensure they reduce the risk of potential injury to trespassers, if they manage to gain access to the site.

All materials, plant and tools will be fully secured/supervised when not in use and particularly at the end of the working day. Material storage/compound areas will be fully secured with fencing.

2.1.3 Liaison & Engagement with Public

Prior to any works commencing, Redrow Homes as Client will arrange for letters to be delivered to all properties in close proximity to the site. The letters will include an outline of the works to be carried out, key dates, and contact details for the Site Manager (including their name and mobile phone number) – this will enable the public to contact the Site Manager if required.

A notice board with key site progress information and contact details will be displayed on the site fencing for public engagement.

2.1.4 Signage

Appropriate H&S Signage will be placed around the construction site guiding traffic and pedestrian routes, giving warnings of hazards and potential dangers (such as “Danger: Keep Out” etc.) and instructing conduct within the site boundaries (such as “Do not remove security fencing” / “Appropriate PPE must be worn...” etc.). Public routes and crossings will be fully signed.

2.1.5 Inductions

The Site Manager is responsible for induction training and will ensure each operative receives induction training specific to the site and to the type and place of work. This will take place before the site operative commences work for the first time on site.

The induction will concentrate on the Principal Contractor’s management provisions, site rules, safety provisions as well as the particular site risks involved with the project and the environmental & ecological considerations of the project. Evidence of all induction training carried out and names of personnel, who have undertaken formal induction training together with when they were inducted, will be recorded and filed on-site.

During the induction process, operatives will be informed of housekeeping matters, particularly the need to respect surrounding neighbours to the site and the need to keep noise to a minimum; particularly when entering and leaving the site. Working hours and restrictions on timing/method of deliveries will be clearly explained. They will also be informed of the necessity to ensure all parking is within the site boundary, and will be given clear instructions on how to deal with deliveries of materials etc., to prevent any congestion on the public highway.

Contractors working on-site employed by others (e.g. Utilities), will be inducted as all other site operatives and visitors. Information concerning their works and co-ordination / co-operation with other site operatives will be discussed and agreed with the Project Manager / Site Manager prior to commencement of their works on-site, as appropriate. Tool Box Talks will be held by contractors and the Principal Contractor regularly (as appropriate), and these will be recorded by the Principal Contractor.

2.2 CONTROL OF ON-SITE WORKING CONDITIONS

2.2.1 Site Working Hours & Deliveries

In accordance with Arun District Council's Construction Code of Practice, working hours will be restricted to 08:00 – 18:00 Mondays to Fridays and 08:30 – 13:00 Saturdays with no works permitted on Sundays or Bank Holidays. **No work will be undertaken outside the hours agreed.**

The Principal Contractor will ensure these working hours are communicated to all contractors & site operatives during the Site Induction and are strictly enforced throughout the works.

No deliveries will be permitted to wait outside the site; drivers will make alternative arrangements when waiting for access to site and all suppliers will be informed of these restrictions at the point of placing the order.

Deliveries will be coordinated as far as possible to reduce multiple HGVs accessing the site at the same time. Where possible, deliveries will be coordinated to avoid school opening and closing times.

No construction traffic or delivery vehicles will be permitted to park on any of the public roads surrounding the development for loading or unloading purposes – unless prior written agreement has been given by Arun District Council. Otherwise parking, loading and unloading will take place in the designated on-site areas only.

2.2.2 Control of Noise & Vibration

Construction works by their very nature, can generate significant noise levels which can present a nuisance to the surrounding areas when works are being carried out. In recognising this, Redrow Homes and their Contractors will adhere to (so far as is reasonably practicable) Arun District Council's Construction Code of Practice.

No works will be carried out on the site outside of the allowed working hours – specified in Section 2.2.1 above. All activities will be assessed for anticipated noise levels prior to works commencing, taking into account the potential for amplification of noise due to the layout of the site. Further, all plant and equipment brought to site will be well maintained and operated in accordance with the manufacturer's instructions and will comply with the Control of Noise at Work Regulations 2005.

Redrow Homes recognise that maintaining good relationships with those living and working in the vicinity of the site is important. Identifying noise levels as a risk to the surrounding area (whether nuisance or safety) as early as possible in the process is a priority for Redrow Homes, to ensure that any issues can be dealt with fairly and promptly. The Site Manager will be available for contact for any interaction with the public during the works.

Methods for reducing noise levels as far as practicable by the use of attenuation materials or such like, will be specified, and remain in place for the duration of the works. Specifically, the following areas will be required of all work activities;

- Comply generally with the recommendations of BS 5228: Part 1, clause 9.3 for minimising noise levels during the execution of the works.
- Noise levels from the works will be kept to a minimum
- Considerate siting of loading/unloading areas
- Fit all compressors, percussion tools and vehicles with effective silencers of a type recommended by manufacturers of the compressors, tools or vehicles.
- Do not use or permit employees to use radios or other audio equipment in ways or at times which may cause nuisance.
- Every care will be taken to avoid unnecessary noise when carrying out manual operations and when operating plant and equipment.
- All plant will be switched off or reduced to idle when not in use.
- Any radios/entertainment devices will only be used at a level which will not cause undue disturbance to the neighbouring areas.
- Noise producing plant will be sited as far as possible from dwellings, offices and other noise sensitive premises. Where the latter are particularly noise sensitive then a further reduction in sound emission may be required and will be achieved by the use of barriers or acoustic housings.

2.2.3 Compound Position, Site Car Parking, Visitor Provisions, Plant and Equipment

As the site is an extension to overall Ashdown Vale development, Redrow Homes will share the Compound & Parking areas of the adjacent site – please refer to [Section 1.2.4](#) for details. These are shown on the site plans included in [Appendix One](#).

Please refer to [Section 2.3](#) for further information regarding arrangements for safe access & egress to the site.

Site Layout Plans showing the location of the Site Access, Welfare, Materials Storage, are provided in [Appendix One](#).

A detailed Compound Plan (showing parking, materials management, materials storage, debris, plant storage and welfare facilities) and Traffic Management Plan) will be developed prior to construction commencing.

All visitors will report to the Site Office for an appropriate induction by the Site Manager. Parking facilities will be made available for visitors to site, and clearly signposted.

All large building materials will be stored within the site, within the vicinity of housing plots as they are being constructed – smaller materials and particularly any which represent a hazard to health, will be stored in the locked compound area. Waste segregation, silos and storage containers will be provided within the compound, to be arranged in line with the provisions set-out in [Section 3.5](#).

2.2.4 Road Cleaning Regime

Redrow Homes as Client will ensure that pro-active measures are taken to prevent slurry/spoil from vehicles leaving site during the works being deposited on the public highway.

The Principal Contractor will implement a road cleaning regime, ensuring they monitor the surrounding roads for dirt and debris, providing regular sweeps when necessary – this likely to be more frequent during Groundworks (when there are more earthworks being carried out) and during periods of inclement weather.

Road sweepings and debris will be disposed of through the Principal Contractor's own waste management arrangements – road sweepers will either be discharged off-site, or if on-site will be discharged using appropriate methods in compliance with the [Environmental Protection Act 1990](#).

Redrow Homes will sweep the road regularly with a vacuum roadbrush and will offload on hardstanding to avoid tracking mud out the site, and where necessary a handheld jetwasher will be available to clean down muddy vehicles.

2.2.5 Welfare Provision

The Principal Contractor will provide full welfare facilities in accordance with Schedule 2 of the CDM Regulations 2015 – these facilities will be in place prior to construction works commencing on-site and this will be confirmed by the Principal Designer to the Client, following review of the Construction Phase Plan.

All welfare provision will be provided in accordance with Redrow Home's Minimum Requirements for Site Accommodation and Welfare which sets out the minimum requirements for:

- | | | |
|--------------------------|---|-----------------------|
| - Toilet Facilities | - Temporary Portable WC / Wash-stations | - Facilities for Rest |
| - Drinking Water | - General Site Accommodation | - Electrical Supplies |
| - Cleaning of Facilities | - Facilities for Changing Clothes | |

2.2.6 Monitoring Arrangements

The Site Manager will be responsible for the day to day management of the site, and will ensure that all restrictions / provisions noted in this CMP are undertaken. The Site Manager will conduct a monthly review to ensure that the provisions are adhered to.

2.3 CONSTRUCTION TRAFFIC MANAGEMENT PLAN

The site will be accessed from Skylark Way which is turn accessed off the main entrance along Lake Lane via Yapton Lane and A27.

Lake Lane is a two-lane carriageway with a 30mph speed limit providing access to Barnham Village Centre.

The majority of roads adjoining Lake Lane are fairly quiet residential roads; there's an existing bus stop along Lake Lane.

Details of the access routes to the site will be communicated to delivery companies at the point of placing orders, to ensure delivery traffic follows the correct route.

Access on Lake Lane and Skylark way will be shared with residents & commercial traffic accessing the nearby houses, marketing suite / sales centre and industrial units / glasses houses along with construction traffic accessing the nearby construction site.

No construction traffic or delivery vehicles will be permitted to park on public roads for loading or unloading purposes – unless prior written agreement has been given by Arun District Council.

Construction traffic will be directed to the site by road signage placed at key junctions around the area – Redrow Homes will agree the position of signage with the Local Highways Authority and/or Highways England prior to commencing works.

The Traffic Management Plan will demonstrate the principles of the traffic flows, pedestrian segregation, traffic control measures, speed limits, signage, car parking. Vehicular traffic and pedestrian traffic will be segregated at the site entrance, with clearly signed routes being maintained.

All loading and unloading from delivery vehicles and construction traffic (including building materials, finished or unfinished products, parts, crates, packing materials and waste) will take place inside the site compound only, as shown on the Traffic Management Plan.

At peak construction periods, there will be an estimated maximum number of 25 operatives on-site at any time. At peak periods, there will be a total of around 10 cars and vans accessing the site each day, and there will be an estimated maximum of 5 HGVs accessing the site per day. Around 10 parking spaces will be provided in the site car park for cars and vans.

To minimise vehicular movements through the residential area, and to minimise any disruption to local residents, Redrow Homes will encourage all site operatives to share cars and utilise public transport where possible to keep site traffic volumes to a minimum.

The roads outside the site will be kept clear at all times with clear access for fire appliances and emergency services.

Soil compaction will be minimised by adhering to routes indicated on the site traffic management and by minimising plant movements across unprepared ground.

3.0 DETAILED ENVIRONMENTAL PROVISIONS

3.1 PROTECTION OF WATER, LAND ENVIRONMENT, AIR QUALITY & POLLUTION PREVENTION

The Client, Principal Contractor(s), and all Contractors on this project will ensure the protection and integrity of all watercourses and drainage systems and associated flora and fauna by preventing any surface water run-off or potential sources of contamination from reaching watercourses / drainage systems.

They will also note that drains/sewers have the potential for carrying water borne diseases such as Weil's disease – this will be communicated to all site operatives, emphasising the need to ensure good personal hygiene, with appropriate welfare facilities being provided.

All surface water drainage from impermeable areas and roads will pass through trapped gullies prior to being discharged into any watercourse. As appropriate, gullies will be protected with terram or straw bales, and will be regularly inspected and replaced or cleaned as necessary, with a record kept.

If silt spillage is identified, it will be treated as a priority to stop the flow and contain the spillage before it enters surface water drains or watercourses/ground. Road sweepings will be discharged safely as outlined in [Section 2.2.4](#).

To prevent polluting waters, there will be no discharge of foul or contaminated drainage or trade effluent from the site into either groundwater or any surface waters, whether direct or via soakaways. No pumped water will be discharged into the live drainage system without having been filtered through a silt interceptor.

To ensure air quality, Redrow Homes as Client and when Principal Contractor, will ensure adequate damping down and dust mitigation procedures are clearly specified within the Construction Phase Plan, and will ensure they are enforced on-site throughout the works.

These procedures will include managing loose materials (damping down / covered in windy conditions), and monitoring and recording dust levels during the site inspection process. All work areas will be well ventilated to prevent dust build up. Dust will be minimised during cutting operations of blocks etc. by ensuring use of equipment with on-tool water suppression.

To control smoke and noxious fumes, there will be no burning permitted on-site and all plant will be maintained in good working order.

3.2 DUST SUPPRESSION & MONITORING

It is likely that dust will be created during dry and windy conditions on the site, particularly during earthworks. In recognising this, Redrow Homes expects all contractors to (so far as is reasonably practicable) ensure all loose materials will be damped down and covered in windy conditions. Dust will be monitored and recorded through the site inspection process and water will be used for damping down when instructed by the Site Manager.

In areas of work close to sensitive properties, the Site Manager will undertake regular dust monitoring inspections of boundaries (as part of regular Site Inspections) to ensure that dust levels are monitored and controlled and where necessary will ensure that suitable dust suppression methods are employed to deal with any residual issues in these areas.

3.3 GROUND CONTAMINATION & REMEDIATION

The Site Investigation Report did not identify any contaminants at level posing a risk to human health in the soil samples tested.

Following the demolition works, some further investigation will be carried out to check for any potential residual contamination. Any residual contaminants will then be removed/remediated by a remediation strategy under a geotechnical engineer's recommendations.

Reporting of Unexpected Contamination

All operatives will be instructed on the agreed procedures for dealing with any material encountered during ground works that is either contaminated or suspected to be contaminated.

Should there be any evidence of unrecorded contamination discovered on-site, Arun District Council will be contacted in writing immediately, with site activities in the affected area being temporarily suspended until a method and procedure for addressing the contamination is agreed upon in writing with the West Dorset District Council and/or other regulating bodies.

3.4 FUEL STORAGE AND USE

Any facilities for the storage of oils, fuels or chemicals will be sited on impervious bases and surrounded by impervious bund walls. The volume of the bunded compound will be at least equivalent to the capacity of the tank plus 10%.

If there is multiple tankage, the compound will be at least equivalent to the capacity of the largest tank, or the combined capacity of interconnected tanks, plus 10%.

All filling points, vents, gauges and sight glasses will be located within the bund. The drainage system of the bund will be sealed with no discharge to any watercourse, land or underground strata. Any pipework will be located above ground and protected from accidental damage. All filling points and tank overflow pipe outlets will be detailed to discharge downwards into the bund.

Tanks will be sited in a safe area, away from manholes and surface water gullies. Tanks will be double-bunded, non-gravity diesel tanks. The Fuel tank and hose will be locked secure when not in use and the site will possess a spill control kit. A clearly defined drip control area will be introduced around the tank. Tanks and surrounds will be regularly inspected for damage, spills or leaks as part of weekly inspection.

All measures to control chemical storage, discharge and spillage will cover;

- Oil Storage tanks in excess of 200 litres
- Double Skinned (twin-walled) tanks
- Proprietary Tank Systems
- Mobile Bowsers
- Security
- Dealing with Spills
- Prevention of Contamination of Rivers & Streams
- Storage and use of other chemicals (quantities less than 200L)

3.5 WASTE MANAGEMENT

Redrow Homes will develop a Site Waste Management Plan for the development and will require each appointed Contractor to work within the requirements of this Plan.

All inert material will be retained and re-used on site where possible, all plasterboard waste will be collected and returned and the majority of the remaining waste will be removed in compactable skips.

The management, handling and disposal of waste and classification of materials will be carried out in line with all current Environmental Legislation and requirements.

There will be no burning on-site (including waste, materials, undergrowth or other vegetation or refuse) throughout the course of the development (both during construction and site preparation works). This restriction is in place in order to protect the environment as well as to safeguard the amenities of occupiers of existing properties within the vicinity of the application site, and site staff.

3.6 ECOLOGICAL PROTECTION & ENHANCEMENT

The following information has been summarised and extracted from the Ecological & Arboricultural Reports provided to GHPC at the time of issue of this CMP.

A summary of the mitigation measures to be adhered to during the construction phase is provided below – please refer to the reports in [Appendix Three](#) for full details.

3.6.1 Ecological Constraints

The habitats within the site offer negligible potential to support any protected species, with the possible exception of breeding birds for which some limited nesting habitat is present.

3.7 TREE PROTECTION REQUIREMENTS

All works will be carried out in accordance with Lizard Landscape Design recommendations for tree protection outlined in their Tree Reports, which are included in [Appendix Three](#). The protection measures are summarised below:

There are several hedgerows and mature trees surrounding the site's western and southern boundary, some of which are to be retained.

Protection & Retention of Existing Vegetation

- The contractor will exercise extreme care when performing operations beneath the canopy of existing mature trees and vegetation and within the specified tree Root Protection Area designated for protection and avoid at all times damage to the roots, trunk and branches.
- All excavations, cultivation and grading beneath the canopy of existing mature trees and within the specified tree Root Protection Area of the existing trees and vegetation will be carried out using hand tools, taking care not to damage or disturb any existing tree roots.
- No heavy machinery is to be used within the Tree RPAs which will be protected with suitable ground protection measures or 'No-Dig' construction methods; excavation will be limited to the manual removal of the existing shrub vegetation / herb layer / existing loose material only.

Within the protected area the following activities must not take place;

- No vehicles will be used in the fenced off areas;
- No materials will be stockpiled or stored;
- No chemicals will be stored;
- No excavation or increase in the soil level will occur;
- No fires will be lit on site

Temporary barriers should be erected around the trees – the specification of which will be in accordance with the recommendations given in BS5837:2012 "Trees in Relation to Design, Demolition and Construction". Clear signs should be attached at 6m intervals along the line of barriers stating "Tree Protection Area – No Access". No works should be permitted inside the root protection areas.

During the works, the Principal Contractor will liaise closely with the Arboricultural Consultant where there are any issues relating to trees before taking any action.

4.0 SUMMARY OF EXISTING INFORMATION

The following surveys & reports have been provided by the Client and are available via Dropbox in the following appendices.

PLEASE CLICK ON THE FOLLOWING APPENDIX HYPERLINKS LINKS TO ACCESS FILES FOR DOWNLOAD ON DROPBOX.

APPENDIX ONE – SITE LAYOUT PLANS

REPORT/SURVEY	DATE	COMPANY	REFERENCE
Site Layout	Dec 2018	Redrow Homes	7430-7 SLB7-01 Rev D
Compound Layout (inc. Site Access, Office Units, Welfare, Car Parking and Materials Storage)	Dec 2018		7430-CPL-001 Rev A
Build Direction Plan	Nov 2018		7430-BR-001
Traffic Management Plan for Overall development	Sept 2018		7430-MSL-001
	Nov 2018		7430-TMP-002

APPENDIX TWO – SITE INVESTIGATION REPORTS & SITE SURVEYS

REPORT/SURVEY	DATE	COMPANY	REFERENCE
Ground Investigation Report	April 2014	Soils Limited	REPORT 14123/GIR
Flood Risk Assessment & Outline Drainage Strategy	Mar 2016	JNP	RE003B

APPENDIX THREE – ECOLOGICAL, ARBORICULTURAL & ENVIRONMENTAL INFO

REPORT/SURVEY	DATE	COMPANY	REFERENCE
Tree Protection Plan	Feb 2018	RPS	JSL 2477 712 E
Tree Protection Plan	Mar 2016	Lizard Landscape Design and Ecology	LLD936 / 02
Tree Constraints Plan	Jan 2016		LLD936 / 01
Preliminary Ecological Appraisal	Jan 2016		LLD936.PollardsNursery.PEA.Rev00

APPENDIX FOUR – SITE INFORMATION & SURVEYS

REPORT/SURVEY	DATE	COMPANY	REFERENCE
Construction Code of Practice For small developments in Arun	Mar 2018	Arun District Council	024_v1_March18
Photo Log	Oct 2018	GHPC	N/A