

	WDL (Contracting) Limited		
	Contract: WDL (Homes) Limited	Ref: WDLCOL	
	Project: Ty Newydd Heights, Trefechan, Merthyr Tydfil	Rev: 1	Date: 19/01/2021

Construction Phase Plan

Ty Newydd Heights, Trefechan, Merthyr Tydfil

19th January 2021

Principle Contractor: WDL (Contracting) Limited

**Registered Office: Stuart Quarry, Chapel Rd,
Penderyn, Aberdare, CF44 9JY**

Prepared by: Lesley Harrington-Griffiths

Job Title: Commercial Manager

Date Created: 19th January 2021

The responsibility for the health, safety and environmental management of the Works rests fully and unreservedly with the Principle Contractor. The acceptance of this Construction Phase Plan on behalf of WDL (Contracting) Limited and involvement in Studies or Audits does not in any way absolve the Principle Contractor from that responsibility, nor is it intended to confirm or suggest that the Principle Contractor fully meets the statutory requirements.

Rev	Date	By	Approval	Date	Description of Revision
01	19/01/21	L Harrington-Griffiths	G. Lockyer		1 st revision

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1.0 Introduction

The purpose and intent of this Construction Phase Plan is to define how health and safety will be managed during the delivery of the site at Ty Newydd Heights, Trefechan, Merthyr Tydfil

This Plan describes the specific practices, resources and activities necessary to ensure compliance of the works with the Contract Documents, current legislation and regulations, and to implement the commitment to continual improvement. This plan is based upon an overall risk assessment of the hazards present during the work.

This Construction Phase Plan will comply with the requirements of The Construction, Design and Management Regulations 2015 (CDM 2015)

It is based on the client approved construction phase plan issued by WDL (Homes) Limited with additional construction detail to comprise a Construction Phase Plan suitable for covering all works during the construction phase of the project while WDL (Contracting) Limited are Principal Contractor. All those involved with the detailed design and construction phase have a statutory duty to comply with this plan and provide the Principal Designer with any information, which may be required to keep the plan up to date.

1.1 Description of Project

The project is located off Crabtree Walk, Trefechan, Merthyr Tydfil CF48 2EY

The agreed works consists of the following:

- Set up site compound, welfare, storage, car park etc
- Site Strip
- Fully Construct 47 residential units and associated garages, with traditional build techniques with brick/render finish
- Combination of Suspended and block and beam foundations
- All infrastructure works
- Mains sewers and storm drainage to adoptable standard including any off site works
- Installation of storm drainage in compliance with SAB Agreements
- Plot drainage and services
- Entrance Road to adoptable highway specification
- Retaining Walls
- Offsite infrastructure works including highway improvements and drainage connections

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Any Sub-Contractor appointed by WDL (Contracting) Limited will be expected to comply with the Pre-Qualification Procedure for contractors and will be required to complete the PQQ and provide all documentation as necessary prior to works commencing.

Once the proposed works issued to WDL (Contracting) Limited are complete principal contractorship will be handed back to WDL (Homes) Limited. It will be therefore WDL (Homes) Limited' responsibility to plan, manage, monitor and review the construction phase during the delivery of the rest of the development. WDL (Contracting) Limited will continue on the development as a contractor and will comply with its legal duties under CDM 2015 as necessary.

1.2 Project Programme and timescales

Proposed Lead In	6 Weeks
Envisaged Commencement Date	1 st March 2021
Envisaged Completion Date	1 st March 2023
Initial Notification to the HSE	F10 completed and issued

1.3 Environmental/Site Investigation

The ground/site investigation report is to be issued by WDL (Homes) Limited to WDL (Contracting) Limited to allow for full review, and to enable any planning for any necessary action to be taken. There are no significant issues identified within the report that require special consideration. WDL (Contracting) Limited will implement the following standard controls:

- Minimum handling of materials
- Washing of hands prior to all meal breaks, which should be taken in designated clean areas,
- The use of standard protective clothing such as boots, overalls, gloves etc where considered relevant

2.0 Arrangements

2.1 Project Health, Safety and Environmental Goals

It is the intention of WDL (Contracting) Limited that the project be designed and constructed in such a way that the risks to the health and safety of all persons engaged in its construction, future use, cleaning and maintenance are eliminated or reduced to an

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acceptable level.

The Health and Safety and Environmental goals for the project are;

- Zero RIDDOR's, accidents and incidents
- Zero noise, dust or other public complaints
- Monitoring of accidents and near misses with a goal of zero major accidents.
- Minimise risk, disruption or inconvenience to the staff and visitors who will have a constant presence on the site during the works.
- Establish weekly site inspections for the monitoring of health and safety management on this project.
- Provide a detailed health and safety report at each site meeting.
- 100% compliance to the safety inspection regime
- Timely close out of any raised health & safety issues
- Zero noise & environmental complaints

All records will be kept up to date daily and be made available for inspection by the Project & Contracts Managers and Principal Designer at all times

2.2 Project Management Structure, Organisation and Responsibilities

The project is subject to the Construction (Design and Management) Regulations 2015, the duty holders are listed below;

Role	Duty Holder	Represented By	Contact
Client	WDL Homes Limited	John Butcher	Stuart Quarry, Chapel Rd, Penderyn, Aberdare, CF44 9JY T: +44 (0) 1685 815975 M: +44 (0)7966 437757 E: Jbutcher@wdlewisaberdare.co.uk
Principal Designer	WDL Homes Limited	John Butcher	Stuart Quarry, Chapel Rd, Penderyn, Aberdare, CF44 9JY T: +44 (0) 1685 815975 M: +44 (0)7966 437757 E: Jbutcher@wdlewisaberdare.co.uk

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Principal Contractor	WDL (Contracting) Limited	Gavin Lockyer	Stuart Quarry Penderyn Aberdare CF44 9JY T: +44 (0) 1685 815975 M: +44 (0)7880 387725 E: glockyer@wdlewisaberdare.co.uk
Designers	Christopher Stanley Architecture and Planning	Justin Dowling	Wellington House, 57 Dyer Street, Cirencester, Gloucestershire GL7 2PP T: 01285 706560 M: 07773 383167 E: Justin@christopher-stanley.co.uk
	PHG Consulting Engineers Limited		62 Albany Road Cardiff CF24 3RR stephen.davis@phg-consulting.com 02920 302521

2.2.1 Project Team (Key Staff)

Name	Role	Telephone Number
Gavin Lockyer	Group Managing Director	07880 387725
Iestyn Evans	Site Manager	07976 881620
Rhodri Morgan	Site Engineer	07791 715295
Paul Edwards	Site Foreman	01685 811525
Stuart Campbell	Health & Safety advisor	07850 690687

WDL (Contracting) Limited's and WDL Homes Limited's Health and Safety Advisors are:

Stuart Campbell Safety Consultancy Limited
Chapelfields Heol Yr Haul
Groesfaen
RCT
CF72 8RS

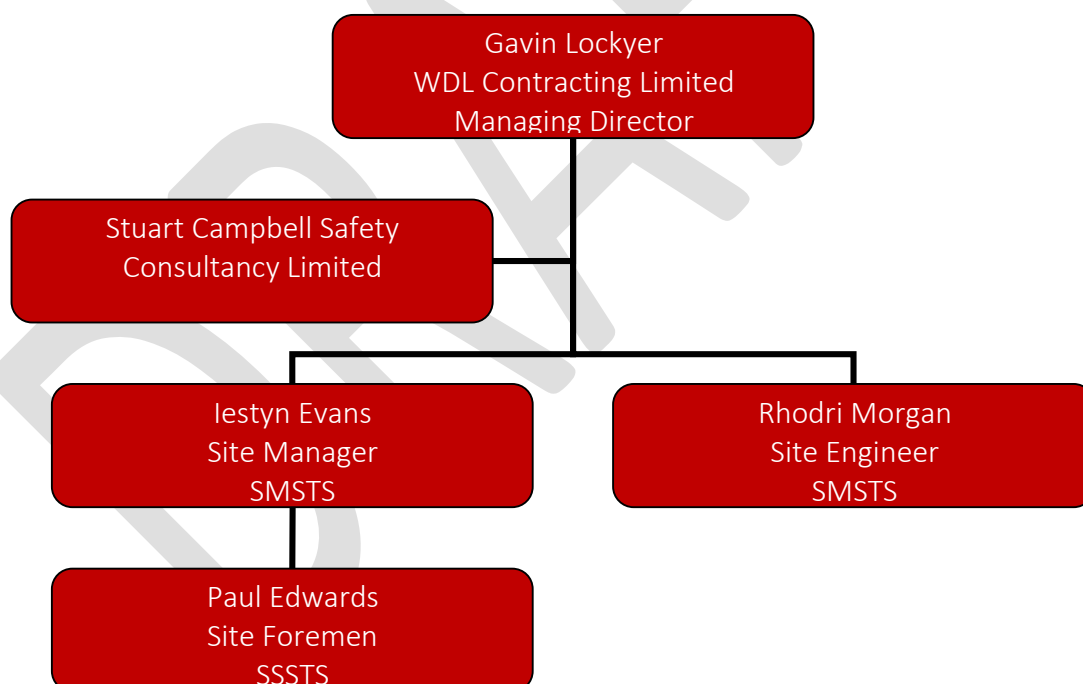
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Email: stuart@scsafetyconsultancy.co.uk
Tel: 07850 690687

2.2.2 Competency of the Company and Individuals

Under sections 202-204 of the Approved Code of Practice for CDM, it is confirmed that WDL (Contracting) Limited are accredited by Safemark & SMAS under the SSiP which demonstrates competence at Stage 1 of the assessment. A copy of the certificate is enclosed in the appendix of this document. In regard to individual key persons on site, WDL (Contracting) Limited have a robust training plan in place and all relevant personnel undergo specific training under the CITB Construction Skills guidance. This includes CSCS, CPCS Cards for competence and where applicable, SMSTS or SSSTS training is completed. Certificates of all personnel will be available on site from commencement on site.

2.2.2 Organisation Chart



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2.2.3 Existing Drawings and Reports

The client has provided the following information:

Drawings as per Drawing Register included in Appendix A

Number	Title	Originated from	Rev/Date

2.2.4 All documentation relevant to Health, Safety and Environment will be held by WDL (Contracting) Limited in their 2-File System on site at Ty Newydd Heights, Trefechan, Merthyr Tydfil. This will include but not be limited to;

- Construction Phase Plan
- Traffic Management Plan
- F10
- Health and Safety Policy
- Risk Assessments
- Method Statements
- Insurance Certificates
- Lifting Certificates
- Competency Certificates
- Design Drawings
- Weekly H&S Checklists
- Contract Documents
- Audit/Inspection Reports
- Weekly LOLER Logs
- Weekly PUWER Logs
- Permits to Work
- Waste Transfer Notes

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2.3 Reference to Standard Activity Methodologies and Risk Assessments

Details of all site risk can be found in the WDL (Contracting) Limited Generic Risk Assessment section of their Health & Safety Policy document or in the site file.

This methodology and the associated risk assessments will subsequently form the basis of the Task Briefing Sheets activity control measures.

On request, Stuart Campbell Safety Consultancy will attend site within 3 working days of commencement on site to brief all operatives of this Construction Phase Health & Safety Plan.

Site specific risk assessments and method statements for this project have been issued to the Principal Designer. These will form part of the briefing completed by the site foreman on site. Should any activities present themselves which are outside of the detailed risk assessments or method statements, then works will not continue in this area until a revised risk assessment is completed and approved.

The process for these revisions will be that the Site Manager and Site Engineer will agree these at a site level, and then Gavin Lockyer will be notified of these, and he will personally approve these and add the changes to the site files. If the need arises, Stuart Campbell Safety Consultancy will be asked to provide advice in the completion of these.

2.4 Information for Contractors

Any additional hazards identified by the Principal Designer shall be communicated to WDL (Contracting) Limited, who will consider them and provide a suitable safe method of work and/or incorporate them into the relevant design(s).

Pre-work briefings shall also be provided at which safety arrangements and construction work will be discussed.

All contractors working on site will work under the relevant risk assessment and as such all workers irrespective of their contractual arrangement will receive and individually acknowledge inductions before they are able to commence work.

All persons visiting site, e.g. WDL (Contracting) Limited's employees, sub-contractors, persons delivering goods, visitors, etc., are required to report to the project site office to complete the site attendance register.

2.5 Selection of Sub-Contractors, Materials and Plant

The arrangements for the selection of sub-contractors and suppliers are detailed in WDL (Contracting) Limited's Health & Safety Policy document, and include the following;

- Successful completion of either the WDL (Contracting) Limited pre-qualification

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questionnaire, or provision of an in date SSIP certificate i.e. SMAS, CHAS, Safemark etc.

- Relevant site-specific health & safety documentation is supplied.
- Assessment of instructional/training needs.
- Arrangements for checking proof of health & safety competency of all sub-contractors appropriate to the work being carried out.

The sub-contractor's safety responsibilities must be clearly identified and shall form part of the Contract.

The majority of materials required on this contract are purchased by WDL (Contracting) Limited. These materials are obtained from suppliers that have qualified to supply products through WDL (Contracting) Limited's approved qualification process that determines their ability to meet minimum standards.

Appointed Sub-Contractor Details

1. Scaffolding - RAM Scaffolding
2. Roofing - Rooftop Tiling Ltd
3. Electrical – Cynon Valley Alarms
4. Plumbing & Heating – Watkins Walker Ltd
5. Window Fitting - Munster Joinery
6. Painting & Decorating – Cynon Contractors Ltd
7. Tarmacking – tbc
8. Bricklaying – GNB Ltd / Watts Brickwork Ltd
9. Carpentry – Adam Davies Carpentry
10. Drylining & Plastering – NTJ
11. Sprinkler Installation – RSP
- 12.

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2.6 Communication and Co-operation

Stuart Campbell Safety Consultancy are WDL (Contracting) Limited's retained Health and Safety Consultants. Their brief for this project will be, on request, to deliver a full induction into this document to all staff within 3 working days of commencement of works. Furthermore, Stuart Campbell Safety Consultancy will be completing monthly site health & safety inspections to ensure continued compliance throughout the project.

The Site Manager will be responsible for completing weekly site health & safety inspections, and site inductions for all persons on the site prior to the commencement of work and shall include any relevant safety information.

All design work carried out by WDL (Contracting) Limited, or its sub-contractors, shall be approved by a suitably competent engineer, independent consultant or other approved means, and where appropriate, a design certificate issued.

WDL (Contracting) Limited is ultimately responsible for the co-ordination of worksite interfaces on the project.

Sub-contractors will be required to submit site specific risk assessments and method statements (where necessary) for inclusion into Construction Phase plan prior to any work being carried out. WDL (Contracting) Limited shall ensure that the methods of work employed by the sub-contractors do not conflict with any other group working on site. Sub-contractors shall be monitored regularly to ensure that the agreed methods are being adopted and that other compliance measures are being utilised.

In respect of liaisons between parties, monthly progress meetings will be held on site. The Client and Principal Designer will be advised of these meetings and can attend where required.

2.7 Reporting of Accidents and Incidents

All accidents/incidents shall be reported immediately to the WDL (Contracting) Limited representative on site, who will then report the incident to Gavin Lockyer.

Contractors shall provide information about all accidents/incidents to WDL (Contracting) Limited Site Manager.

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Near Misses must also be reported and where applicable, these may be investigated to prevent re-occurrence.

All accidents/incidents which occur on premises under the company's control should be entered in the Accident Record System, no matter how trivial, and irrespective of whether the injured person is an employee, self-employed, sub-contractor, authorised visitor or member of the public.

Completed report forms must be filed in a secure and confidential location or sent to the designated person at the company's office. All accidents will be investigated to determine the cause and if any remedial action is required to prevent a re-occurrence.

If as a result of an injury whilst at work the injured person requires medical treatment or cannot fulfil their normal duties, the incident may have to be reported to the appropriate enforcing authority using form F2508 through the HSE's website detailed below.

RIDDOR reportable accidents and dangerous occurrences can be reported to the HSE by the following means:

By Web

www.hse.gov.uk/riddor

2.8 Emergency Procedures

Major emergencies shall be dealt with in accordance with the WDL (Contracting) Limited Procedures.

A fire risk assessment has been completed and is appended to this document.

Local procedures for evacuation and the arrangements for control of access to/from compounds and work sites will form part of the induction and notices will be displayed.

The site office will display an appropriate safety notice board containing actions to be undertaken in the event of an emergency and a list of contact details.

An emergency assembly point will be set up and signed, this will be discussed during the site induction. This will also be identified on the fire action notices.

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Emergency Contacts

Person / Organisation	Address	Contacts
Prince Charles Hospital A&E	Gurnos Rd, Merthyr Tydfil CF47 9DT	01685 721721
Environment Agency	Rivers House St Mellon's Business Park Cardiff CF3 0EY	08708 506506
Merthyr Tydfil Police Station	Merthyr Bridewell Rhydycar Business Park Merthyr Tydfil CF48 1DL	01685 726150
Merthyr Tydfil Fire Station	Dynevor Street Merthyr Tydfil CF48 1BA	01443 232000
Gas		0870 165 0597
Electricity		0845 601 3341
Water		0800 917 2652

2.9 First Aid

First Aid arrangements will comply fully with the First Aid at Work Regulations. A First Aid & Eye Wash Station will be located in the site office.

A First Aid Notice will be provided in the Site Office and other suitable locations giving details of;

- The location of the First Aid Point and First Aid Boxes & Eye wash – **Site Office**
- The names of the qualified First Aiders at Work – **Iestyn Evans / Rhodri Morgan**

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- The location and phone number of the local hospital – **Prince Charles Hospital**

Information relating to site First Aiders will be included in the induction prior to the start of work.

First Aiders will be named in task briefs based on a calculation of;

- 1 – 4 persons on site = 1 Appointed Emergency First Aider
- 5 – 25 persons on site = 1 Qualified First Aider
- 26 – 50 persons on site = 1 Qualified and 1 Emergency First Aider
- 51 – 100 persons on site = 2 Qualified and 2 Emergency First Aiders

2.10 Welfare

The Site management will ensure suitable and sufficient welfare facilities are provided in all circumstances. As a minimum, the site shall comply with the welfare requirements within Schedule 2 of the CDM Regulations 2015.

All persons in our employ (including subcontract labour) shall have a clear understanding of the welfare facilities provided for their use in the work place, and the respect they must have for them.

All employees shall be briefed in the welfare arrangements for their place of work. This will be included in the site inductions.

Hygiene and welfare facilities will be provided by WDL (Contracting) Limited and will be located within the site compound, and will include:

- Hot/warm and cold running water, soap and hand towels or similar
- Drinking water
- Provision for taking meals/rest – microwave and kettle
- W.C. with separate hand washing area from the canteen.
- Facilities for drying clothes that will function out of hours
- Other as detailed in Schedule 2, CDM 2015 Regulations (available on request).

2.11 Information and Training for People on Site

WDL (Contracting) Limited is committed to ensuring that all employees and operatives and

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those employed by Sub-contractors are competent to fulfil their duties in a safe professional manner.

Skill or Competence	Project Manager	Site Manager	Site Foreman	SHE Consultant	Site Operatives
First Aid at Work	X	✓	✓	✓	X
Fire Safety	X	X	✓	✓	X
Hazard Risk Assessment	✓	✓	✓	✓	X
NEBOSH	X	X	X	✓	X
Auditor	X	X	X	✓	X
Scaffold Inspection	X	✓	X	✓	X
CITB Site Management	✓	✓	X	X	X
Site Induction Training	✓	✓	✓	✓	✓

To supplement the formal training system, a series of tool box briefings will take place; these will be relevant to the work being undertaken.

A safety notice board will be displayed in the site office with statutory health & safety information, and health and safety posters will be displayed in the site canteen area.

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2.12 Project Site Rules

The main site rules to be implemented on this Project are as follows;

- All staff will receive a Site Induction.
- It is WDL (Contracting) Limited's policy to have a zero tolerance in respect of drugs or alcohol on site. Any persons suspected of being under the influence will be immediately removed from site. For further information on this, either refer to WDL (Contracting) Limited H&S Policy
- All site visitors and workforce must receive a suitable site induction/briefing before they enter the construction/work area
- Hard hats, Hi Vis clothing & foot protection to be worn at all times while working on site. Task specific PPE to be worn as required by risk assessment.
- All persons are to report to the supervisor and receive site inductions
- Never work under the influence of drugs and/or alcohol
- Ensure all accident, incidents and near misses are reported to the site manager.
- Maintain good housekeeping standards at all times.
- Do not start work until you have read or been read the risk assessments and method statements for the project you are working on.
- No horseplay is allowed on site.
- Only trained and authorised persons are to erect, alter & dismantle scaffolding, operate plant and work equipment – proof of competence is required.
- Any fault or defect on plant, work equipment or working platforms must be reported to the site supervisor. Tools & equipment not to be left on unattended.
- No reversing is to be undertaken without the use of a banksman.
- Do not lift any load beyond your means – seek mechanical assistance or ask for help.
- Comply with all signs and signals on site.
- Only park in designated areas or areas that do not create hazard for site operations or other persons.
- Use pedestrian walkways where they are made available including crossing points.
- Do not interfere with anything provided for the interests of health & safety.
- Only smoke within designated areas – waste is to be disposed of correctly.
- Report any unsafe acts or concerns to the site supervisor.
- Use and look after the welfare facilities provided & report any issues
- Care and consideration must be given to all members of the public.
- Follow instructions issued to you by the site management team.
- Normal site working hours are Mon – Fri 0800 hrs – 1730 hrs,
- No works is permitted outside of these hours without written permission.
- Don't interfere with anything provided for the interests of Health & Safety

UNSAFE?? IF YOU SEE IT, REPORT IT!!

Persons failing to comply with the above will not be permitted to undertake any form of work and will be escorted from the site.

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2.13 Monitoring Arrangements

This Plan shall be routinely reviewed, revised and refined by the Site Manger & Senior Site Foreman as the project develops, any proposed changes will be highlighted at the regular progress meetings.

The auditing and monitoring procedure is based on a proactive approach as part of our on-going efforts to reduce the likelihood of incidents arising and consists of various levels of auditing and monitoring of performance.

Stuart Campbell Safety Consultancy will be completing monthly H&S audits of the site to ensure continued compliance.

2.14 Provision, Availability and Review of the Construction Phase Plan

This plan shall be readily available at all times to WDL (Contracting) Limited employees and subcontractors engaged in the site works.

This plan will be reviewed on a regular basis by the Site Management.

No work will start on any site until a copy of the F10 Form is received from the client and this plan has been signed off as being accepted.

Only material changes to the health and safety arrangements caused by significant changes to the project work plan shall require resubmission of the Construction Phase Plan for acceptance. Amendments shall be communicated to all recipients of controlled versions of the Plan in a timely manner.

2.15 Supporting Documentation

Supporting documentation for this Construction Phase Plan can be found as follows;

<u>Document</u>	<u>Location</u>
WDL (Contracting) Limited Health & Safety Policy	Head Office
Design Drawings	Site Office
Health & Safety File inc RAMS	Site Office

The following will be produced in accordance with WDL (Contracting) Limited procedures: lifting plans, permits to dig, statutory plant, excavations & equipment inspections.

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2.16 Design Changes

Where design changes are made by the designers, WDL (Contracting) Limited have been made aware that despite the regulations stating that the exchange of information has to be made through the Principal Designer, on this project, the Principal Designer will not be issuing design changes, this will come direct from the Designer. Where design issues are identified by WDL (Contracting) Limited, works will be immediately stopped and a Request for Information form will be issued to the client with a reasonable response time allocated.

Where design changes are made by the designers, then once received by the Principal Designer, this information will be passed immediately to site management and the site teams briefed on the changes. Where design issues are identified by WDL (Contracting) Limited, works will be immediately stopped and a Request for Information will be issued to WDL (Homes) Limited's Senior Management with a reasonable response time allocated.

3.0 Arrangements for Managing Significant Site Risks

Significant risks identified on this project are:

Working at Height

Working in Excavations – buried services & trench support

Lifting Operations

Protection of the public

Traffic Management including mobile plant

Vibration

Use of power tools & equipment

Manual Handling

Environmental

3.1 Excavations

It is noted, that as there was a building previously on site (now demolished) that would have had services to it, that there is potentially existing services within the proposed development and within the site boundaries that need consideration WDL (Homes) Limited as the Client are to provide information on known existing services in order for WDL (Contracting) Limited to plan and safely work around any existing services. If existing services have been terminated etc WDL (Homes) Limited are to provide written confirmation of this.

A permit to excavate/break ground procedure will be adhered to and the correct permit will be sort prior to any excavation – issued by the site manager/ foreman. This will ensure that CAT scanning by a competent person is completed prior to any excavation

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commencing to ensure that services present are detected and location identified. All available information will be made available and are attached within the appendices; this information will be referred to prior to any excavating under the permit system.

The safe systems of work described within the method statements and risk assessments will be communicated to all employees and implemented through the site management.

Any hand digging carried out around services must be done so with fully insulated hand tools. This equipment must be available on site prior to the works commencing to ensure this is followed. Safe hand digging practices as recommended within HSE 's HSG 47 will be adopted by those undertaking the excavation works. No mechanical excavating will be permitted within 500mm of any known services.

Any exposed steel pins, rebar etc will be capped using correct sized plastic mushrooms to protect from impalement injuries.

Any excavation will be assessed by the supervisor who, will decide on the method of work that will be adopted to ensure there is no collapse of the sides or slippage of material. Spoil material will be stored well away from the excavation. A secure means of access/egress will be provided. If the excavation is being left unattended, or at the end of the working shift, the excavation will be securely protected (i.e.; fenced).

All deep excavations will be supported using trench support systems i.e. trench & manhole boxes c/w rigid guard rails, ladder access platforms and sheet piles to protect open ends where necessary, or where open cut excavations are required for works such as the attenuation tanks, the banks will be either battered back to angles not exceeding 45 degrees (unless poor ground conditions dictate a shallower batter is necessary), or stepped at 1.0m x 1.0m intervals (unless poor ground conditions dictates a shallower height is banks and long length of shelves are required).

All excavations will be inspected at the start of each shift (before starting first thing in the morning, after morning break & after lunch break) by a competent person. Any excavation which is supported must be inspected and the inspection recorded:-

- Before 1st man entry
- after a fall or dislodgement of material
- after any event, likely to affect its strength or stability
- at least once in any 7-day period
- Excavations deeper than 1.2 are to be inspected and recorded daily

The results of the inspection must be recorded in the excavation inspection register form in accordance with the requirements of schedule 3 of the CDM Regulations 2015. The HSE guidance booklet HS(G) 185 entitled Health & Safety in Excavations will be referred

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to where required.

As per the WDL (Contracting) Limited procedures, all plant and machinery will conform with the requirements as laid out in both the Provision and Use of Work Equipment Regulations (PUWER) and (where applicable) the Lifting Operations and Lifting Equipment Regulations (LOLER).

All work equipment selected for use will be done so ensuring it is the most appropriate equipment for the task, it is used in the correct manner in which it was designed for, it is used by a competent person. All work equipment will be checked daily for its safe use and condition. Any faults or defects are to be reported to supervisors and the necessary remedial action taken to enable the continued safe use of the equipment. If the fault or defect is safety critical i.e. to continue using would endanger the user or others, it must be immediately removed from use and tagged 'Do not use' until repaired by a competent person or replaced.

A weekly inspection of all mobile plant, lifting equipment & accessories, small plant and work equipment will be conducted by a competent person with the results of the inspection being recorded within the WDL (Contracting) Limited inspection register. Any fault or defect will be recorded within the register with the necessary action taken to address the issues reported.

Scheduled maintenance where reasonably practicable will be conducted off site, or will take place in a designated area away from watercourses, live drainage etc. Spill kits and absorbent pads etc will be available and used along with drip trays and other receptacles. Waste oils/fuels/filters etc will be disposed of using a licenced waste contractor

3.2 Environmental

Debris arising from the works will be cleaned up regularly and deposited in a skip for removal from site.

Where WDL (Contracting) Limited are responsible for 'cart away', a waste carriers licence for each company used will be provided in addition to the waste transfer notes. Where 'cart away' is being exported to another site, then the waste exemption note will be issued.

Any 'cart away' from site will be managed under the Traffic Management Plan by the Site Manager to ensure that members of the public are kept safe whilst vehicle movement is taking place.

The management of silt will be considered at all times to prevent the contamination of water courses, existing surface water drainage etc, and fouling of nearby highways. Stockpiles will be sealed, unnecessary plant movements will be reduced and limited to haul roads, suspend top soil stripping where necessary due to weather conditions etc.

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The use of silt traps, hay bales, bunds & grips, balance ponds etc will be used as necessary to manage any foreseen risks.

A designated refuelling and bulk fuel storage area will be set up on site. The location will be carefully chosen away from any live drainage or live water courses. The bulk diesel storage tank will be a self-contained tank that can contain the maximum capacity of the inner tank plus 10%. Drip trays, emergency spill response kits and firefighting equipment will be supplied and set up at this area. Any spilt fuel or oil will be quickly contained and clean up using the spill kit and the waste materials will be correctly disposed of as contaminated waste. No smoking will be permitted within 20m of the refuelling area.

Scheduled maintenance where reasonably practicable will be conducted offsite, or will take place in a designated area away from watercourses, live drainage etc. Spill kits and absorbent pads etc will be available and used along with drip trays and other receptacles. Waste oils/fuels/filters etc will be disposed of using a licenced waste carrier.

3.3 Work at Height

Working at height is defined as 'Any place of work where if a fall was to occur would result in personal injury'. WDL (Contracting) Limited will ensure all work at height is assessed and suitable controls are implemented to control the risks to a reasonable practicable level.

Work at height will be necessary. The Site Manager will supervise work and will determine which methods of access and protection from falls are to be used for each work activity. The following equipment will be available for use:

- (a) Tube & fitting scaffolding conforming to NASC TG20:13 & loading bay designs
- (b) Secured access ladders for scaffolds and excavations
- (c) Suitable equipment for rigid edge protection when excavations are open (600mm to 1.2m to be crowd barriers or similar, anything below 1.2m to be fenced with heras fencing)
- (d) Suitable proprietary rigid guard rails around open stairwells (950mm top rail & 470mm mid rail), or suitable cover for the opening i.e. designed sacrificial joists with decking and access hatch, or specific stairwell protection boards/covers
- (e) Soft landing bags or birdcage scaffold for internal fall protection (working off 1st & 3rd lift scaffolds, joist installation, truss installation, felt & battening etc including garages)
- (f) Suitable scaffolding or soft-landing bags where the risk of fall from over sites exceeds 600mm
- (g) Suitable internal trade hop-ups and step ladders conforming to EN131
- (h) Access ladders for excavations
- (i) Hand-rails for trench boxes

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All ladders will be correctly secured when in use and extend at least 1.05m past their landing point. Ladders should be set at an angle of 75 degrees (1 in 4)

Stepladders will be used only as intended and will be "Class 1".

*Note: Ladders should be used **only** where there is no suitable alternative available.*

Soft landing systems will be installed by competent persons following the manufacturer's installation information, ensuring that install protection suitably protects from a fall.

Independent tied scaffolding will be erected and maintained by a recognised contractor and must conform to NASC TG20:13 Compliance sheets, designed drawings (loading bays) BS EN 12811-1 and The Work at Height Regulations 2005. Responsibility for the provision and safety of scaffolding with rest with WDL (Contracting) Limited. All working lifts that require the loading of materials will be erected with a fully functional loading bay erected in accordance with the design drawings. Render adaptations will also be required, on rendered plots the gap between the inside board and building is to be kept as small as reasonably practicable. All inside boards are to be clipped to ensure security and prevent gaps. Roofing lifts will be provided at a distance between 300-450mm below fascia.

WDL (Contracting) Ltd will carry out statutory inspection of the scaffolding once handed over by the scaffolding contractor. This is required before the 1st use, after any alteration or adaptation, at periods not exceeding 7 days and after adverse weather with may have compromised the scaffolds safety. The scaffolding contractor must issue a TG20 compliance sheet for the development and handover certificates for each lift and any alteration or adaption.

The scaffolding is to be visually checked by all contractor supervisors at regular periods, who will satisfy themselves that the structures are safe for use. Any defects or concerns will be notified to the Site Management for action.

One member from each contractor requiring the use and access of the scaffolding must assess the working platform prior to work commencing. Any defects are to be raised with the Site Management. If the assessing contractor feels the scaffold is unsafe work on the platform must not commence until further advise is sourced.

Brick-guards must be fitted to every working lift where there is a risk of falling materials over the toe-board, debris netting will also be required where alongside the public or occupied properties.

Operatives using the scaffolding will open Loading Bay Gates and remain the the 'safe' area where there is no risk of falling from the platform edge. The materials will be placed on the loading bay by machine and the gate returned to the closed position. At no point is the loading bay gate to be left open when not being used for loading or unloading materials, nor is it to be tied in the open position. This is unless the loading bay gate is designed to be left open leaving the rear of the loading bay protected.

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Contractors requiring access to work within stairwells must provide suitable stairwell working platforms i.e. Oxford Stairwell System. The use of ladder and planks is NOT acceptable. Those using such stairwell platforms must be competent in its erection, alteration and dismantle.

Contractors using internal temporary stairwell platforms, alloy scaffolding towers, stepladders, hop-ups etc will inspect the equipment daily ensuring any defects are reported with the removal of unsafe equipment from site. All equipment must be used up a competent person and in accordance with the manufacturer's instructions.

The appointed carpentry, roofing, plumbing, electrical, window sealing, plastering and rendering contractors will provide their site specific RAMS for the development which will lay out the safe system of works for working at height where necessary that cannot be avoided. Approval and acceptance of all contractors RAMS are required by WDL (Contracting) Limited Site Management.

Where possible the use of bandstand trestles is to be reduced, where trestles are being used they must be used in accordance with the risk assessment i.e. max height 600mm, 4 boards wide, trestle supporting boards every 1.0m, no overhang greater than 4 times thickness of board, suitable means of access, placed on firm level suitable ground. Where falls over 600mm could occur fall controls such as soft landing bags or guard rails must be used.

Gable and end lifts will be provided at all plots for safe access to the gable apex and a means of fall protection for those working on the roofs.

Materials delivered to site will be loaded in a manner that prevents the need to exposed personnel to leading open edges on flat bed lorries etc. Materials are to be palletised to allow for unloading by forklift truck, or lifting equipment available on site that allows for mechanical unloading without the need to access to trailers (block grab, pipe grab connected to a certified excavator) etc, or suitable edge protection or collective fall protection controls are in place i.e. guard rails or soft lorry fall bags.

3.4 Traffic Management & Site Security (Protection of the Public)

Access to site will be via Cwmdare Road. Good vision splays will be created to ensure drivers of all vehicles have suitable and sufficient vision of approaching traffic. Where possible deliveries are to be arranged outside of the periods where traffic is at its heaviest.

It is noted that the managing of specific WDL (Contracting) Limited site traffic and deliveries within the development is the responsibility of WDL (Contracting) Limited.

WDL (Contracting) Limited will plan, manage and monitor traffic routes. Paying particular attention to designated haul roads, segregated pedestrian routes to minimise

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the interaction of mobile plant and vehicles from pedestrians moving around site and heavily trafficked areas, pedestrian and vehicle site access and egress points, sufficient size site car parking, material storage areas, refuelling areas, site welfare and storage cabins etc to ensure risks are suitably and sufficiently controlled. This will be reflected in the traffic management risk assessment and plan.

Care will be taken by WDL (Contracting) Limited to ensure that loading, unloading and other hazardous operations do not take place in areas in which others may be put at risk, designated loading areas will be set up on site.

In respect of site security, a 6-foot-high anti climb fence erected along the boundaries of the site, this will be achieved double clipped heras fencing with foot blocks in accordance with the manufacturer's installation instructions, heras fencing will be used at site boundaries where any existing natural hedgerows and tree lines do not offer suitable protective boundaries. Heras fencing will also be used around the welfare and materials storage areas. WDL (Contracting) Limited will ensure that this is maintained during their time as principal contractor and where any further gaps are identified, Heras style fencing will be used. Suitable and appropriate health and safety/warning signage will be displayed at the site entrance and along site boundaries. Boundaries are to be checked daily to ensure in order.

All equipment, tools and hazardous materials supplied by WDL (Contracting) Limited will be placed into safe storage whenever the site is to be left unattended.

Ladder access to trench box systems will be fitted daily and will be the responsibility of the ground workers using the ladder and MUST NOT be left in position out of hours. Ladder access point to scaffold is to be protected/blocked at the end of each working day to prevent unauthorised access to scaffolds during out of hours.

Radios and audio equipment must not be used in a manner that causes a nuisance to persons outside the site boundary.

Site working hours are 0800hrs-1730hrs Monday to Friday Working times outside these heaviest hours will need to be agreed by WDL (Contracting) Limited.

It is noted that management of all site traffic and deliveries within the development is the responsibility of WDL (Contracting) Limited.

WDL (Contracting) Limited will plan, manage and monitor traffic routes and pedestrian routes. Paying particular attention to designated haul roads suitable for the operation of plant and delivery vehicles from pedestrians moving around site and heavily trafficked areas, pedestrian and vehicle site entrance access and egress points, sufficient size site car parking, material storage areas, refuelling areas, site welfare and storage cabins etc to ensure risks are suitably and sufficiently controlled. This will be reflected in the traffic

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management risk assessment plan.

Care will be taken by WDL (Contracting) Limited to ensure that loading, unloading and other hazardous operations do not take place in areas which others may be put at risk, designated loading areas will be set up on site.

Regular monitoring & maintenance of the public footpaths, roads and site boundaries roads will be undertaken to minimise fouling and debris.

Daily checks will be made to ensure all openings, chambers, manholes, pits etc are securely covered and protected before works cease in the evenings.

Public safety is paramount during this project; consideration will be given to the possibility of children at play. There is a school nearby and consideration must be taken during school drop off and pick up times. School holidays may increase the likelihood of children's interest. Access to excavations must be denied at all times when site is left unattended, access ladders will be removed when not in use and out of hours. Clear signage and hazard zones to be set up where appropriate.

There are neighbouring properties which are residential properties at some site boundaries. Care will be taken not to knowingly or inadvertently disrupt or affect the nearby occupied properties during the planned works. Where necessary regular liaison will take place to maintain good relationships.

In respect of site security, the majority of the site has sufficient boundary treatment including existing fencing and hedgerows, where this is deemed insufficient an anti-climb fence will be erected, this will be achieved using double clipped heras fencing with foot blocks in accordance with the manufacturers installation instructions. Heras fencing will also be used around welfare and material storage areas, WDL (Contracting) Limited will ensure that this is maintained during their time as principal contractor and here any further gaps are identified, Heras style fencing will be used. Suitable and appropriate health and safety/warning signage will be displayed at the site entrance and along site boundaries. Boundaries are to be checked daily to ensure all is in order.

All equipment, tools hazardous materials supplied by WDL (Contracting) Limited will be placed into safe storage whenever the site is to be left unattended.

3.5 Lifting Operations

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Lifting equipment (telehandler, excavators, HIAB's, cranes) will be inspected by the user daily prior to first use, and thoroughly examined and certified by a competent person/organisation at periods not exceeding 12 months. All lifting equipment will be formally inspected on site by a competent person and the results of the inspection recoding with the LOLER weekly inspection register.

All 360-degree excavators used for lifting on site must clearly display the manufacturer's lifting chart within the cab, all 13t excavators are fitted with necessary hydraulic ram check valves and a loading setting/mode that can be selected in the cab. If the excavator has a maximum safe working load of less than 1000kg (smaller sized excavators) the lifting chart must be displayed within the machines cab and hydraulic check valves and a lifting mode are not necessary. In each case the suitability of the excavator selected for a particular task must be assessed. Operatives also have the manufacturers operator's manual in the cab for detailed reference. Likewise, all lifting accessories such as slings, chains, 'D' shackles and eye bolts, block grabs, curb grabs, pipe lifters, manhole ring connectors etc should have their safe working load clearly marked.

All lifting equipment and accessories are to be inspected prior to use by a competent person, and recorded weekly in the appropriate register. Thorough examinations must be carried out every 6 months on lifting equipment used for lifting persons and all lifting accessories, lifting equipment must be checked and certified every 12 months. Thorough lifting examination certificates will be available on site.

Lifting accessories (chains, shakles, slings, kerb lifters, block grab, manhole pins etc) will be inspected by the user daily prior to 1st use, and thoroughly examined and certified by a competent person/organisation at periods not exceeding 6 months. All lifting accessories will be formally inspected by a competent person and the results of the inspection recording within the LOLER weekly inspection register.

All lifting operations will be assessed for risk before commencement. They will be planned and **supervised** by a competent person who would have been briefed on the risks and method of carrying out the operation. He will at all times be assisted by a suitably trained slinger / signaller, who has a valid certificate and relevant experience.

An exclusion zone will be set up to ensure NO persons (including members of the public) are permitted to enter the area in which a load may be lifted and could be at risk of being struck by the load should it fall. Suitable fencing will be used for this purpose and appropriate signage displayed. The integrity of the exclusion zone must be maintained, and works MUST cease if anyone accesses this area during the lifting or lowering of any load.

At all times the user must have an escape route in place in the unlikely event of falling

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material from the rope and at no point will anyone be allowed to stand under a suspended load.

The operatives involved in lifting operations must have clear sight of each other and maintain good communication at all times.

They must agree on a system of verbal and non-verbal signals BEFORE work starts.

It is the responsibility of the lifting equipment operator to ensure the lifting chart for the equipment that he /she is operating is available (otherwise the equipment MUST not be used), and the chart is complied with and any audible and/or visual alarms and indicators are respected and heeded. Lifting equipment and accessories MUST NOT BE OVERLOADED.

A weekly inspection of all mobile plant, lifting equipment & accessories, small plant and work equipment will be conducted by a competent person with the results of the inspection being recorded within the WDL (Contracting) Limited Inspection Register. Any fault or defect recorded in the register with the necessary action taken to address the issues reported.

All plant used for lifting will be inspected weekly and registered on the weekly inspection report.

All items to be lifted must be within the certified capability of the excavator, and each lift must be fully assessed by a competent person before proceeding, with particular attention paid to the ground conditions, suitability of the plant, overhead obstructions, underground services, proximity to fixed objects & structures, anchor points used for lifting and the accessories being used for lifting.

Items that are to be lifted using this method will be concrete pipes, manhole rings, manhole biscuits, mesh reinforcement, reinforcement cages, concrete floor beams, packs of blocks, kerbs and slabs etc.

All plant & work equipment selected for use will be done so ensuring it is the most appropriate equipment for the task, it is used in the correct manner in which it was designed for, it is used by a competent person. All plant & work equipment will be checked daily for its safe use and condition. Any faults or defects are to be reported to supervisors and the necessary remedial action taken to enable the continued safe use of the equipment. If the fault or defect is safety critical i.e. to continue using would endanger the user or others, it must be immediately removed from use and tagged 'DO NOT USE' until repaired by a competent person or replaced.

As per WDL (Contracting) Limited procedures, all plant and machinery will conform with the requirements as laid out in both the Provision and Use of Work Equipment

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Regulations (PUWER) and (where applicable) the Lifting Operations and Lifting Equipment Regulations (LOLER). Daily operator/user checks must be completed along with weekly statutory inspections carried out and recorded within the 2-file system.

A weekly inspection of all work equipment and small plant will be conducted by a competent person with the results of the inspection being recorded within an inspection register.

Scheduled maintenance where reasonably practicable will be conducted off site, or will take place in a designated areas away from watercourses, live drainage etc. Spill kits and absorbent pads etc will be available and used along with drip trays and other receptacles. Waste oils/fuels/filters etc will be disposed of using a licenced waste carrier.

All 110v power tools will be subjected to PAT testing at least once in any 6 month period, although 3 monthly is recommended. Daily user checks must be completed, and weekly inspections recorded.

The use of forward tipping dumpers on top of stockpiles will not be permitted. Spoil must be tipped at the base of the stockpile and the stockpile formed and worked by a suitable sized excavator. Ground conditions are to be monitored and assessed to ensure gradients are within the limits of the selected plant onsite.

3.6 Manual & Mechanical Handling

All manual handling operations carried out by WDL (Contracting) Limited employees will be risk-assessed by the company, who will advise on the methods to be adopted.

Full procedures for assessing manual handling tasks and ensuring safety during manual handling operations are contained within the WDL (Contracting) Limited's company safety manual. These will be adhered to at all times by employees, who will be given free access to all health and safety information.

Wherever reasonably practicable, mechanical devices must be used for the movement and handling of heavy loads. (e.g. telehandler, excavators, scaffold beds with lorry, wheel barrows, trolleys etc.) All persons involved in significant manual handling will adopt safe kinetic lifting techniques and will be supervised at all times.

All operatives have been trained in Manual Handling Techniques and the kinetics of lifting. Operatives are to know and understand their own personal limitations, site management will ensure operatives selected for carrying out manual handling operations are experienced and suitable for the tasks.

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All suppliers of materials and equipment are to ensure individual material and equipment weights of all items are available to allow for accurate manual handling assessment. This information is to be passed on to the relevant contractor to allow them to assess, plan and manage the manual handling impacts on their workforce.

Weights of all anticipated products are as follows:

675 x 675 Manhole covers including frame	108 kg each	split 2man lift
450 x 450 Gully Gratings	41 kg each	2man lift
100mm dense concrete block	19 kg each	1man lift
10 x 5 fig '7' kerb	67.5 kg each	2man mechanical lift
6 x 5 fig '7' kerb	39 kg each	2man lift
6 x 2 Path edging	17kg	1man lift
Bags OPC	25kg / bag	1man lift
450 x 450 x 50 concrete paving slabs	23kg each	1 man lift
450 x 600 x 50 concrete paving slabs	32kg each	2 man lift
600 x 600 x 50 concrete paving slabs	42 kg each	2 man lift
900 x 600 x 50 concrete paving slabs	62.5 kg each	2 man mechanical lift

3.7 Noise & Vibration

WDL (Contracting) Limited shall ensure noise/dust/vibrations are kept to a minimum.

Noise emissions on site shall comply with BS 5228 Noise Control on Construction Sites. Where reasonably practicable, noise levels should be kept below 80dB to reduce the potential for hearing damage. Where levels exceed this WDL (Contracting) Limited and its sub-contractors will provide suitable hearing protection and recommend it is worn. All activities/equipment generating noise in excess of 85dB will where possible be positioned away from work areas to reduce levels of noise, or noise zones will be set up where suitable hearing protection will be worn by all.

Vibration will be controlled by limiting exposure to hand held power tools. Maximum daily exposure levels will be provided to allow the workforce to operate their tools within their specified trigger times. Any significant exposure must be recorded and where possible the work will be shared to reduce exposure.

Hand Arm Vibration (HAV) information and registers will be completed as necessary on site in the WDL (Contracting) Limited 2 file system.

A list of all items of plant and equipment is contained within the 2-file system on site.

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This information details the vibration magnitude levels and trigger times for all items of vibrating plant and also the db. readings for the noise levels.

A Hand Arm Vibration check sheet is provided for all operatives to complete and sign each day to confirm levels and times of exposure.

3.8 COSHH and Hazardous Substances

COSHH Assessments are to be conducted and available on site for all COSHH materials and substances that are to be used.

Should any other hazardous substances be used, further COSHH Assessments are to be carried out and issued to the Site Management for inclusion in the 2 file system.

The Site Manager and Contractor Supervisors will ensure compliance with the requirements of the COSHH Assessments.

We are advised that no potential hazardous substances or materials have been identified on the site and forwarded to the Principal Designer. Therefore, as with all construction projects, all operatives will be briefed that should, for any unforeseen reason, they come across any such material, then they are to cease the work activity, and seek further advice from the Site Manager.

To minimise UV Radiation from the sun, the site will adopt a minimum of t-shirt and long shorts at all times, all persons will be advised to cover up exposed skin or apply factor 30 sun screen regularly. Rest/breaks to be taken in the shade, cold water to be regularly consumed to maintain hydration, all persons to carry out regular skin checks looking particularly at moles exposed to the sun.

All portable power tools used on site that generate dust i.e. disc cutters, wood working power tools etc MUST have either sufficient water suppression of petrol powered or on-tool M-Class vacuum extraction systems for electrically powered tools.

Face fit tested FFP3 masks (RPE) MUST also be worn by the equipment operators and anyone else stood nearby involved in the cutting operation. WDL (Contracting) Limited have a 'Clean Shaven' policy for users of respiratory equipment. Users of masks will be regularly cleanly shaven to ensure the effectiveness of the mask seal against the face of the user.

3.9 Personal Protective Equipment

All personnel will be provided with and wear the following PPE:-

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- (i) Safety helmet
- (ii) Safety footwear
- (iii) Gloves
- (iv) Eye protection (EN 166 Grade F). When required by risk assessment (EN 166 grade B for abrasive wheels)
- (v) Hi-visibility clothing
- (vi) Disposable RPE – When required by risk assessment (Face fitted FFP3 masks for cutting cement based materials).

Suitable safety footwear fitted with steel toe-protectors will be worn by all employees. Casual shoes and trainers will not be permitted.

Employees who are likely to be exposed to harmful substances will be provided with protective gloves and instructed that they are to be worn as appropriate.

A supply of eye, hearing and respiratory protection and protective clothing will be made available by WDL (Contracting) Limited for use where required. The wearing of PPE will be strictly monitored by the Supervisor, as part of his supervisory duties.

3.10 Storage and Distribution of Materials

Materials, plant and equipment will be stored with due regard to the risks posed to pedestrians, vehicle traffic and site personnel. Where the risk of interference is high, compounds will be constructed to provide a secure enclosure.

Only the minimum quantity of hazardous substances will be stored on site in properly constructed and labelled containers so as to reduce potential environmental impacts and possible harm.

Bulk fuel storage will be via a self-contained bunded tank with hand or electric pump. An emergency spill kits and drip trays will be provided at the designated refuelling area to prevent leaks and spills and clean up as necessary. The designated area must not be located near to live drainage or watercourses.

Appropriate methods of containment for accidental leakage will be implemented. Materials and Spoil storage areas are detailed on TMP.

In the main materials will be distributed throughout site through the use of a certified telehandler. Loading bays will be provided at scaffolding lifts for safe loading of materials and reduced levels of manual handling.

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4.0 Health Hazards

The Pre-Construction information pack provided by the Client details fully the Health Hazards and Ground Conditions. This document will be referred to when inducting staff and all risk assessments will be adapted to include these references. All risk assessments will be made available on site.

There are no significant health concerns with the land at the development area. Normal hygiene controls are recommend.

5.0 Health and Safety File

5.1 Purpose

Under CDM 2015, responsibility for the creation, maintenance and completion of the Health & Safety File rests with the Principal Designer.

5.2 Layout, Format and Storage

The scope, structure and format for the file and the detailed arrangements shall be agreed between WDL (Contracting) Limited and the Principal Designer at the start of a project. A guide has been provided by the Principal Designer and this guide will be followed.

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Appendix A

Drawing Issue Register

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Appendix B

F10 Notification

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Appendix C

Vibration Magnitudes and Noise Levels

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HAVS – Maximum Daily Exposure Levels (by type of tools)

HAVS Rating	Product Details:	Make/Model	Vib Level (m/s²)	Maximum Daily Exposure		Noise dB
	Manufacturer			In mins	In hours	
Grinder's						
MED	Stihl	TS 400 – Disc Cutter	7.1	44		114
HIGH	Stihl	TS 400 – Disc Cutter (cutting kerb stone)	17.6	10		114
HIGH	Sthil	TS 400 – Disc Cutter Cutting asphalt pavement	10.8	26		114
LOW	Sthil	TS 400 – Disc Cutter cutting concrete flagstone	4.8		2	114
LOW	Sthil	TS 410 – Disc Cutter	4.9		2	98
LOW	Sthil	TS420 – Disc Cutter	4.9		2	98
MED	Husquevarna	K750	5.75	91		97
MED	Husquevarna	K750 (cutting concrete)	8.5	42		97
MED	Makita	DPC 6400	10	30		102
MED	Makita	DPC 6400 (cutting asphalt tarmac)	6.3	76		102
MED	Makita	DCP6400 (Cutting concrete paving)	5.6	96		102
MED	TAG – 900 QJL	Angle Grinder	4.5	148		82
MED	Bosch	GSW23-10 125MM	6.25	77		86
HIGH	Bosch	GSW23-10 125MM –cutting portland stone	10.6	27		86
MED	Bosch	GSW23-230 125MM	6.88	60		89
MED	Makita	GA9020	6.88	60		89
low	Makita	GA9096	3.75		3	
MED	Bosch	125 GWS10 125mm cutting steel bars	8.27	44		86
Floor Saw						
MED	Norton	Clipper C99 450mm	5.9	86		88
MED	Norton	Clipper C99 450mm (cutting asphalt road surface)	5.4	63		88
MED	Norton	Clipper C99 450mm (cutting asphalt)	7.4	55		97
MED	Wacker	BFS 1345AD	7.75	50		
LOW	Norton	Clipper CS451 340mm	2.4		8	88
HIGH	Norton	Clipper CS1 D10 500mm)	10.25	29		100
LOW	Norton	Clipper CS1D10 500mm (cutting asphalt (bitumen tarmac)	4.5		2	100

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HAVS Rating	Product Details:	Make/Model	Vib Level (m/s²)	Maximum Daily Exposure		Noise dB
	Manufacturer			In mins	In hours	
Compaction						
MED	Wacker	WP1540A	7.88	48		96
HIGH	Wacker	VP 1135A Compactor Plate (compact asphalt)	16	12		88
HIGH	Wacker	VP 1135A Compactor Plate (compact type 1)	16	12		88
MED	Wacker	VP 1135A Compactor Plate	5.62	95		88
MED	Wacker	VP 1135A Compactor Plate (Type A shingle)	6.6	69		88
LOW	Belle	PCLX320	4.06		3	101
LOW	Belle	PCX13/40	3.5		4	103
Air Breakers						
MED	Oswalld Sullair	MK204 25kg breaker	4.5	148		93
HIGH	Oswalld Sullair	MK2024 breaking asphalt withmoil point	14.4	14		93
HIGH	Oswalld Sullair	MK2024 breaking kerb stone with 100mm chisel	12.6	19		93
HIGH	Oswalld Sullair	MK2024 breaking concrete with 100mm chisel	16.6	11		94
HIGH	Oswalld Sullair	SK8 9kg	11.13	24		94
HIGH	Oswalld Sullair	SK8 9Kg chipping reinforced concrete	19.2	8		94
HIGH	Oswalld Sullair	SK5 5.3KG chipping reinforced concrete	16.4	11		94
Breakers/Scabblers/Needle Guns						
HIGH	Wacker	BH23 (petrol)	16	12		
HIGH	Wacker	BH23 (breaking soft tarmac/kerbstone)	14.3	15		
HIGH	Wacker	Bh23 (Breaking asphalt)	11.6	22		
MED	Wacker	BHL24	6.13	80		
LOW	JCB	Beaver HM25LV	4		3	108
LOW	JCB	Beaver HM25	5		2	108
HIGH	JCB	Beaver HM25 (breaking HD concrete)	15.6	12		108
HIGH	JCB	Beaver HM25 breaking (5mm hotrolled asphalt)	15.7	12		108
MED	JCB	T handled breaker	9.38	34		106
MED	Refina	EPO 180H Rotary Scabblers	9.88	31		79
MED	Trelawney	VL5095 single scanbblers	5.63	95		93
MED	Trelawney	VRS2 – single scabbler	5.25	109		98
MED	Trelawney	VL303 Needle Gun	5.18	102		77

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HAVS Rating	Product Details:	Make/Model	Vib Level (m/s²)	Maximum Daily Exposure		Noise dB
	Manufacturer			In mins	In hours	
Pokers						
LOW	Wacker	IRFUN 57 – Hi Freq Poker 38mm	0.88		8	79
LOW	Wacker	IRFUN 57 – Hi Freq Poker 45mm	2.1		8	79
LOW	Wacker	IRFUN 57 – Hi Freq Poker 57mm	2.75		6	79
HIGH	Nationwide	VB26 25mm	12.35	20		79
HIGH	Nationwide	VB40 38mm	11.99	21		83
Drills						
LOW	Makita	Makita 8434D14.4V	3.1		5	87
LOW	Bosch	GSB18VE2	3.1		5	93
HIGH	Bosch	GSB18VE2 inmpact drilling masonry13	13	18		93
LOW	Makita	BDF441RFE	3.1		5	70
HIGH	Bosch	GSB14.4 VRE drilling 7N block	12.2	20		89

This document should be amended to suit site requirements and displayed in a predominate place

Colour Key Code

	Denotes maximum daily trigger times (DTT's) in either hours or minutes, using manufacturer's vibration levels less a safety factor of 25%
HIGH	Denotes a Trigger Time (exposure) of less than 30 minutes per day
MED	Denotes a Trigger Time (exposure) of between 30 and 120 minutes per day
LOW	Denotes a Trigger Time (exposure) in excess of 2 hours per day

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Appendix D

Plant Maintenance Procedures

DRAFT

	WDL (Contracting) Limited		
	Contract: WDL (Homes) Limited	Ref: WDLCOL	
	Project: Ty Newydd Heights, Trefechan, Merthyr Tydfil	Rev: 1	Date: 19/01/2021

Plant maintenance at construction sites

Good practice

Maintenance work

Consider using a system of preventative plant maintenance. Well-maintained plant and equipment are less likely to break down, will emit fewer pollutants to the air and can help prevent spills of oil and fuel. In addition, well-maintained plant vibrates less and makes less noise.

Regularly check hoses and connections for wear or damage. These are the parts of any vehicle or equipment that are most likely to cause a spill if they fail.

Fix all leaks immediately, regardless of their size.

Make sure that plant maintenance is undertaken on an impermeable surface such as concrete hard standing, a plastic membrane or other suitable material, away from surface water drains, watercourses, source protection zones and vulnerable groundwater's. Where this is not possible or practicable sufficient sized drip trays are to be positioned to collect spillages etc. Any spills onto the ground are to be cleaned up immediately using the relevant absorbent equipment.

Surface water run-off

Sites should channel run-off from maintenance areas to an oil separator (interceptor) before you discharge it by an authorised route.

Oil separators at construction sites

A well-maintained oil separator is very effective at removing petrol, diesel and oil from water.

Before the setup of site, Principle Contractors should decide how they will deal with run-off from car parks, storage areas and vehicle wash down areas.

Principle Contractors may need to channel run-off from the site to more than one method of treatment.

For example, if detergents are used to wash vehicles in a car park or vehicle wash down area the detergent will emulsify any oil in the water and make an oil separator ineffective.

Disposal of waste

Maintaining plant and equipment can produce waste materials including waste oil, materials used to clean up spills (spill kits), and hydraulic oil from servicing and oily rags.

Make sure that all materials from plant maintenance are collected and disposed of as hazardous/special waste.

Bunded areas can collect rainwater contaminated with fuel, oil or chemicals.

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Maintenance operatives may need to dispose of waste materials, including contaminated rainwater, that contain hydrocarbons (fuel and oils) or other hazardous substances as hazardous/special waste.

Hired plant and equipment

If you are hiring plant and equipment, check whether the hiring business has a system of preventative plant maintenance in place.

If persons from an equipment or plant hire business to maintain or repair plant that the Company has on hire, make sure that they understand and follow the waste disposal procedures.

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Appendix E

Safemark / SMAS Certificates

DRAFT

	WDL (Contracting) Limited		
	Contract: WDL (Homes) Limited	Ref: WDLCOL	
	Project: Ty Newydd Heights, Trefechan, Merthyr Tydfil	Rev: 1	Date: 19/01/2021

Appendix F

Exclusions to this plan from Appendix 3 of
Construction (Design & Management) Regulations
2015 Approved Code of Practice (ACoP)

DRAFT

	WDL (Contracting) Limited		
	Contract: WDL (Homes) Limited	Ref: WDLCOL	
	Project: Ty Newydd Heights, Trefechan, Merthyr Tydfil	Rev: 1	Date: 19/01/2021

The following list is believed to not be applicable to this contract, however, should WDL (Contracting) Limited be presented with any of these during construction on site, the operatives will cease work immediately, and a revision or addendum to this plan will be created:

1. Stability of structure whilst carrying out construction work, including temporary structure and existing unstable structures.
2. the removal of asbestos
3. dealing with contaminated land,
4. use of hazardous substance, particularly where there is a need for health monitoring,
5. work with ionising radiation,
6. exposure to UV radiation (from the sun)

	WDL (Contracting) Limited		
	Contract: WDL (Homes) Limited	Ref: WDLCOL	
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Appendix G

Fire Risk Assessment

DRAFT

	WDL (Contracting) Limited		
	Contract: WDL (Homes) Limited	Ref: WDLCOL	
	Project: Ty Newydd Heights, Trefechan, Merthyr Tydfil	Rev: 1	Date: 19/01/2021

FIRE RISK ASSESSMENT

1.0 Introduction

1.1 The purpose of this document is to describe the hazards and fire controls necessary at Ty Newydd Heights, Trefechan, Merthyr Tydfil

2.0 Fire Hazards

2.1 The main electrical installation to the compound areas.

2.2 Portable electrical appliances.

2.3 Flammable Products

2.4 Hot Works

2.5 Smoking

3.0 People at Risk

3.1 The site is primarily open ground with works including road construction, drainage & sewers, attenuation tank & plot foundations. The people at risk are all contractors, sub-contractors, employees working on the site.

4.0 Fire Detection

4.1 There is no formal fire detection on site. Workforce to remain visually vigilant.

5.0 Means of Raising the Alarm

5.1 The means of raising the alarm is either ringing the Claxton or bell situated by the Site Managers office, or by shouting FIRE FIRE FIRE

6.0 Means of Escape

6.1 The means of escape are via the nearest ladder accesses if within a trench boxed excavation, via ramps from open cut excavations and nearest exit door of cabins, all site staff are to make their way via the nearest walkway etc to the appointed assembly point.

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7.0 Fire Fighting Equipment

7.1 Fire extinguishers are located in the Compound area, and trolleys are available to take onto site. These consist of Powder, foam and Water extinguishers.

8.0 Calling the Fire Brigade

8.1 The Site Manager/Foreman shall call the fire brigade on hearing the alarm. The number to dial is **999**.

8.2 Outside of normal working hours the person discovering the fire shall call the fire brigade.

8.3 No person shall endanger themselves by calling the fire brigade and the use of mobile phones shall be used where appropriate.

9.0 Control Measures

9.1 All Contractors, Sub-Contractors and employees are to ensure their name is listed on the attendance register held in the Site Managers office. **This register is used to undertake the roll call.**

9.2 All visitors are to sign in and out so the site management can account for those present.

9.3 The electrical installation of the compound cabins is to be checked once every 1 year.

9.4 The portable appliances are to be checked in accordance with the Company health and safety policy. 3-6 monthly PAT testing along with daily user checks, annual PAT testing is required for 240v battery chargers.

9.5 All contractors appointed by WDL (Contracting) Limited to carry out hot works shall be governed by the Permit to Work Procedure. Refuelling of petrol engine tools will be carried out after allowing the tool to cool down and without any naked flames or lit cigarettes present.

9.6 The alarms are to be tested by the Site Managers/Foreman on a weekly basis and this test recorded in the managers weekly site inspection checklist.

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9.7 Fire drills are to be carried out at a period not exceeding 6 months. The advised way of completing this at a site level is by holding a recorded toolbox talk once every six-months to illustrate the emergency procedures.

9.8 There is a no smoking policy within any building, welfare cabins & office, and within 20m of the designated refuelling area.

9.9 All fire doors are to be kept shut where applicable.

9.10 Rubbish is to be removed on a regular basis and not allowed to build up, especially if combustible – wood, cardboard, paper etc.

9.11 The fire extinguishers are to be checked weekly and serviced at a frequency not exceeding 12 months.

10.0 Responsibilities

10.1 Site Manager/Foreman

10.1.1 Visually inspect that the fire extinguishers are within the designated positions.

10.1.2 Close doors and windows in the event of a fire, provided it is safe to do so.

10.1.3 Highlight any shortcomings to the Companies Health & Safety Consultants, Namely **Stuart Campbell Safety Consultancy Limited - 07850690687**

10.1.4 In the event of a fire, verify that the emergency services have been called.

10.1.5 Ensure escape routes are kept clear.

10.1.6 Usher people out of cabins/buildings/excavations to the assembly point.

10.1.7 Ensure the fire signage and fire procedures are clearly displayed and kept up to date.

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10.2 Employee's Responsibilities

- 10.2.1 To ensure their name is clearly recorded in the site visitor book.
- 10.2.2 To follow the instructions within this risk assessment and fire action notices.
- 10.2.3 Co-operate with the Site Management.
- 10.2.4 Know the nearest available exit and location of the assembly point.
- 10.2.5 Keep fire escape routes clear.
- 10.2.6 Report any fire hazards to the Fire marshals.
- 10.2.7 Smoke only within allowed areas across site.

10.3 Designated Areas & Responsibilities

- 10.3.1 The Site Manager has overall responsibility for all areas on the site.

11.0 Training

- 11.1 All employees shall have an explanation of the fire risk assessment within their induction.

12.0 Assembly Point

- 12.1 The assembly point for the site will be agreed by the site management and discussed during site inductions. Should this location change a site wide toolbox talk will be given.

13.0 Review

- 13.1 The risk assessment shall be reviewed in the following circumstances:
 - 13.1.1 A change in layout of the site compound areas.
 - 13.1.3 Any other point that may affect the fire