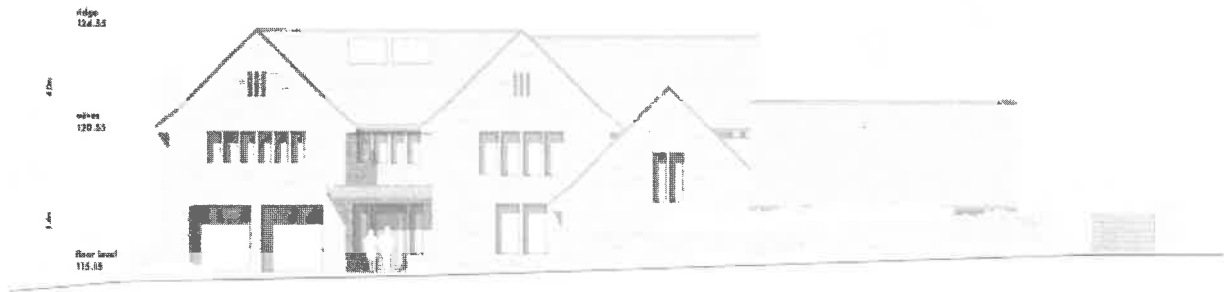


Construction Phase Health and Safety Plan For Construction of Greenacre on Whiteacre Lane Wiswell & Pendleton. BB7 9BL



**To be read by: Site Foreman, Contractors,
Site Induction given to: Employees and Sub-Contractors**

Associated Documents:

Pre-Construction Information.

Site Plans & Drawings.

Method Statements.

Site Emergency Plan.

Site Risk Assessments.

Site Induction Form.

Planning Phase

January 2020

Planned Start Date:

February 2020

Notes

This project is subject to the CDM Regulations 2015.

Conditions not applicable to this site are marked with strikethrough (~~strikethrough~~)

Issue/Date	Comment	Author	Verified / Approved
Issue 1 January 2020	Issued for Approval	M.S.	D Holmes

AMENDMENTS

To assist in identifying the amendments in each revised issue of this document, a vertical line will be displayed in the margin opposite new or revised text.

Vertical lines marking previous amendments are deleted at each revised issue of the document

Produced by D H Construction Ltd, Boxwood House, Rimington Lane, Rimington.
Clitheroe.BB7 4DT

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Requests for copies of this document should be referred to the above address

David Holmes Construction Ltd - Objectives:

To sensibly plan the work so the risks involved are managed from start to finish.
To have the right people for the right job at the right time
To cooperate and coordinate your work with others
To have the right information about the risks and how they are being managed
To communicate this information effectively to those who need to know
To consult and engage with workers about the risks and how they are being managed

**Note: Planning Application
3/2019/0834**

DATE	AMENDED BY: CDM Coordinator/ Principal Contractor	BRIEF DESCRIPTION OF AMENDMENT

**PPE PERSONAL PROTECTION EQUIPMENT
REQUIREMENT FOR SITE;**

Essential;

**Toe Tec Safety Boots
Safety Spectacles
Hi Vis Jacket or Vest
Riggers Gloves**

As Required by task;

**Safety Helmet
Box Goggles
PVC Gloves
Dust or Fume Masks**

Description:

**Mr Charles Walker
Construction of Four Bedroom Residential Property.**

RISK ASSESSMENTS FOR THIS PROJECT

Ref	RA	Risk Assessment Description.
1	Yes	Bricks, Concrete & Blockwork
2	Yes	Joinery
3	Yes	Electrical Work
4	Yes	Plumbing and Drainage, Heating
5	Yes	Soft Groundwork - Landscaping
6	Yes	Hard Groundwork - Excavation
7	Yes	Painting & Tiling
8	N/A	Demolition
9	Yes	Roofing Slate Roof
10	Yes	Working at Height
11	Yes	Site Establishment
12	Yes	Mobile Towers, Scaffolding / Kwikstage.
13	Yes	Telehandler Operation
14	Yes	Ladders and Tressles
15	MH01	Manual Handling - Timber Sheet & Plaster Boards
16	MH02	Manual Handling - Brick, Concrete Blocks / Precast floor beams.
17	MH03	Manual Handling - Steel & Concrete Beams Cills & Mullions
18	MH04	Manual Handling - Large floor tiles, concrete paving flags
19	MH05	Manual Handling - Large Concrete Beams.
20	MH06	Manual Handling - Large Steel RSJ Beams

Description of the project

Introduction

The purpose of this plan is to describe and record the manner in which Health, Safety and Environmental aspects of this contract are to be managed by the Principal Contractor and Contractors in accordance with the Construction (Design and management) Regulations 2015.

This Plan has been prepared by the Principal Contractor who, along with any appointed Contractors shall update and review the plan (as necessary) at various stages throughout the project lifecycle

Location:

Construction of four bedroom residential property with garages at Greenacre Wiswell Lancashire BB79BL .

Project description and programme details

D H Construction Ltd has been appointed as the Principal Contractor responsible for the Project involving the site.,

The work essentially involves the following activities:-

- Location of existing utilities, Electric, Gas Water, Telecoms, Sewage
- The construction of hard stoned area on front lawn for vehicle parking. Provision of parking for site operatives, contractors and visitors.
- Protection of existing trees, fencing to prevent root damage.
- Site Soil is heavy clay, strip turf provide hard standing.
- Setting out, civil work foundations, roadways, perimeter walls.
- Temporary Electrical Supplies for construction activities.
- Establishment of on site office & welfare cabins, WC and storage containers.
- Excavations for foundations and concrete footings. (max 1 metre)
- Waste management, on site storage for landscaping, removal off site.
- Delivery of materials, storage and heavy material movement about site.
- Erection and maintenance of security entrance gates.
- External Scaffolding Tube & Clip for construction of walls.
- Provision of public road sweeping, dependant as and when required.
- concrete base, insert shuttering rings.
- Sewage system (septic Tank) modification and new pipework.
- Drainage pipes, gullies, service ducts,
- Internal Access scaffolding – Tube & Clip, Kwikstage and trestles.
- Provision of recycling skips and containers.
- Ground Floor concrete slab, 1st Floor concrete beam & block.
- Erection of structural steelwork door lintels etc.
- Operation of 360 Telehandler for materials around site.
- Winter work - Short daylight hours, Provide floodlighting.
- Stonework, Quoins, Cills, thresholds, Lintels, Mullions & pointing.
- Roof Work, Slates, inc Lead Work, soffits, flues, gutters, downspouts etc.
- Windows & Doors, Balustrades, internal & External Glass etc.

- Plumbing, Gas Boiler, Heating radiators/HW Tank, pipework Installation.
- Timber work for roof truss & cladding etc Insulation.
- Thermal insulation floors, walls, roof.
- First Fix Electrical Power & Lighting, data installation work.
- Intruder Alarm, Fire, Smoke and Heat detection.
- Underfloor Heating all floors
- Installation of several wood burners, with associated flues and vents.
- Internal finishes plasterwork, tiling, and woodwork.
- Second Fix Electrical Power & Lighting, data installation work.
- Painting & Decoration, Floor Tiles, Carpet, Timber floors.
- Landscaping, paths and vehicle access roads.
- Snag lists and site clearance of materials and site compound.

The scope of the work is also detailed within the sub-contractor's Method statement and Risk assessment respectively.

It should be noted that all Risk Assessments & Method Statements shall be regularly reviewed throughout the duration of the project and shall be amended to reflect the identification of additional risks or changes in the sequence or scope of work.

The proposed start date for the project is February 2020

The scope of work undertaken by sub-contractors will be approved by
D H Construction Ltd as Principal Contractor for the project

Details of client, Designers, Planning Supervisor, Principal Contractor and others

Client Mr Charles Walker

The Principal Contractor

D H Construction Ltd, Boxwood House, Rimington Lane, Rimington, Clitheroe,
Lancashire BB74DT
Contact: David Holmes. Telephone: 01254 246543

The Sub-Contractors

TBA

Health and Safety Executive

Health and Safety Executive, Construction Division, Marshall House, Ringway,
Preston, PR1 2HS Telephone: 0161 952 8200

Architect/Designer

Stanton Andrews Architects, 44 York Street, Clitheroe, BB7 2DL
Tel: 01200 444490

The CDM Co-ordinator

TBA

Civil & Structural Engineer

TBA

Quantity Surveyor

TBA

1. Overlap with Clients activities

As Principal Contractor, D H Construction shall be responsible for the site during the construction and all associated preparatory work undertaken by D H Construction and/or contractors. As such access to these areas will be strictly controlled and limited to authorised personnel only. All persons requiring entry to the areas shall inform the D H Construction Site Foreman or supervisor in advance of their entry to allow suitable instruction to be given and supervision provided.

Client / Resident access to be strictly limited to specified route, access to construction site to be only with DHC supervision.

Preparing for work

David Holmes Construction believes the key to achieving healthy and safe working conditions is to ensure that health and safety issues are planned, organised, controlled, monitored and reviewed.

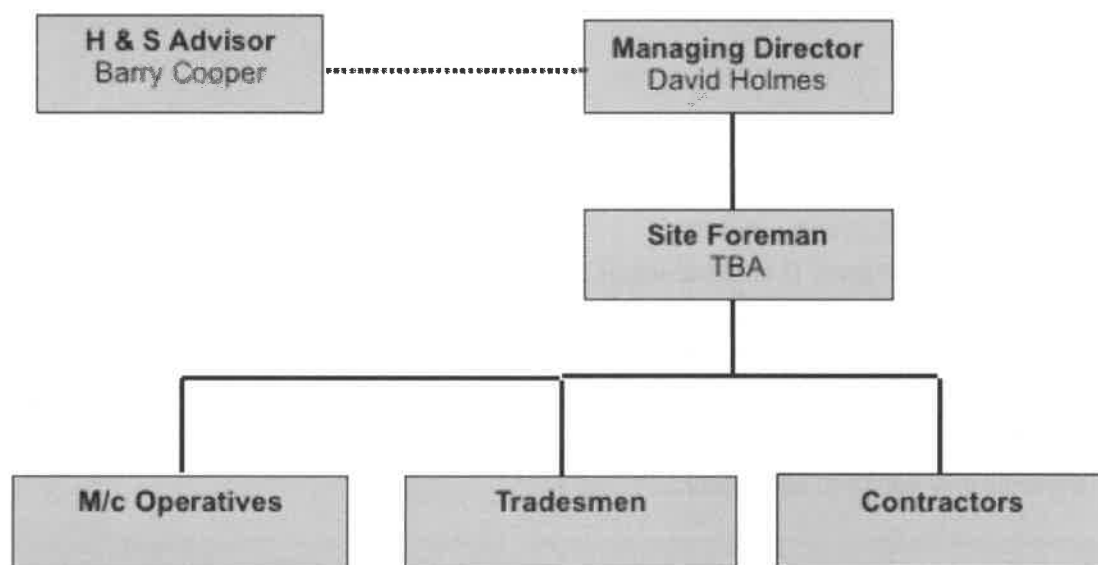
All employees have health and safety responsibilities. Employees and contractors must check that working conditions are healthy and safe before work begins and ensure that the proposed work is not going to put others at risk.

Planning will consider any changes to the site as it develops – from welfare arrangements at the set up, through to snagging work and the removal and dismantling of site huts and hoardings at the end of the contract.

The principal contractor, (David Holmes Construction Ltd) who is appointed under the Construction (Design and Management) Regulations 2015 (CDM), has responsibilities to ensure;

Planning the work involves;

Gathering as much health and safety information about the project and the proposed site before work begins is important. inc the history of the site and its surroundings. Preparation of a plan with start and finish dates, services disconnection/connection, build stages, access restrictions, asbestos survey, ground survey, skills required, scaffolding, main dangers, welfare.



Emergency procedures – Wiswell BB7 9BL

**All Incidents contact the following:
David Holmes 07973 721285**

FIRE 999 OR 112- Read and Understand the Site Fire Risk Assessment.

If you discover a fire:

- Raise the alarm immediately, if the Fire and Rescue service is required,
- Tackle the fire with a suitable fire extinguisher Located near the site cabins, provided there is no personal risk
- If in doubt, proceed immediately to the designated assembly point at Mess Room.

When you hear the alarm:

- Proceed immediately to the designated assembly point located at Mess Room.
- Do not delay by collecting personal tools or belongings
- Do not return to work until authorised to do so
- Do inform any residents or householders if they are in danger.

DO

- Know the location of extinguishers
- Know the fire drill and the position of assembly points
- Know the location of the BT telephone
- Keep all escape routes and extinguisher points free from obstruction at all times

A "Roll Call" of all personnel on site will be undertaken by a nominated site representative of the Principal contractor.

ACCIDENT 999 - OR 112

In the event of an accident resulting in injury that requires first aid, the injured person is immobilised, the person discovering the accident should immediately raise the alarm.

If not urgent for 999 then use the NHS 24 on 111 for advice.

Treatment can either be given at the scene or the injured person or other person will call the emergency services if an ambulance is required (Telephone 999 or 112 alternatively they can be taken directly to hospital for treatment. First Aid Kit and Eye Wash Bottles located in mess cabin and H&S Station.

SPILLAGE

Any spillage of hazardous material must be cleaned up immediately and the Site Forman notified as soon as possible.

MOBILE OR TELEPHONE

Upon arrival at Site check the which Network mobile reception has a strong signal or if no signal locate the nearest available landline telephone.

NEAREST A&E HOSPITAL

**If an injured person needs to be taken to hospital, the nearest Accident and Emergency department is located at
The Royal Blackburn Hospital
Haslingdon Road
Blackburn
BB2 3HH Tel: 01254 263555**

The main dangers on this site are:

Falls: Danger from persons falling into the excavation, and risk of falls from scaffolding, trestles, ladders, also employees or contractors may trip or fall because access to and from the workplace is obstructed, or the workplace itself is not safe. The importance of tidying up will be maintained together with good access and egress. DHC have risk assessments that include control methods for these hazards.

Vehicles: Employees to be made aware that delivery vehicles are moving about the site. Walking on this site has the risk of being injured or killed by moving vehicles, especially reversing ones. No vehicles to be operated within 2 metres of the top edge of the excavation. The site is off a minor narrow highway with steep embankments, additionally any vehicles entering or emerging from site must be marshalled to avoid collisions. DHC have risk assessments that include control methods for these hazards.

Falling material and collapses: Employees, Contractors or others may be struck by material falling from loads being lifted and material that rolls or is kicked off work platforms; Possibility of heavy materials falling during assembly, suitable planning to reduce these hazards. This project does not include any demolition work. DHC have risk assessments that include control methods for these hazards.

Structural collapses: The excavation and its associated shuttering must be designed and assembled to be of sufficient strength to withstand the ground conditions. The assembly of concrete beams etc could move or fall during assembly. All structural modifications to be planned by the Site Foreman to ensure all reasonable measures are taken to manage the risk of unexpected movements of walls, beams etc. DHC have risk assessments that include control methods for these hazards.

Electrical accidents: On site electrical panels and cables will remain live. Employees or contractors to be made aware of the location of these panels. Employees may suffer electric shock and burns when they use unsafe equipment, any such tools to be taken out of use and reported. DHC have risk assessments that include control methods for these hazards.

Chemicals & Flammable Products: Chemical products include; adhesives, cement, paint, also diesel and propane bottles operators on site may suffer harm from the use of such materials, It is essential that MSDS instructions are understood before use and induction to DHC employees and contractors. DHC have risk assessments that include control methods for these hazards.

Working near Sewage Waste: Working near existing sewage pipework, involves the possibility of contact with toxic liquids, and therefore illness, DHC have risk assessments that include control methods for these hazards.

Risk to members of the public/client: The site will be kept secure to prevent unauthorised access. DHC have risk assessments that include control methods for these hazards. Be aware a public footpath is located along the north side and across the site entrance/access road.

Excavations: The foundations, drainage trenches are limited to 1 metres in depth, possibility of injuring people working in them; material falling from the sides into any excavation; and people or plant falling into excavations. Suitable barriers will be used around excavations.

Highway Debris from Excavations: Vehicle movements resulting in mud and debris being deposited on the highway, hardcore will be laid around the foundations to reduce the risk of mud or dirt being transferred off site. a wheel washing unit will be used on site and the highway will be sweep on a weekly basis.

Wheel Washing Facility: The first activity will be the construction of a permanent tarmac entrance and hard standing "off loading" area for delivery vehicles. A Wheel washing facility will be installed next to the entrance with a drainage channel to drain wash water into a collection tank, this will be emptied by vacuum tanker as required.. In addition DHC will hire a road sweeper to clean up any debris from the public high way if and when it occurs.

Parking for operatives/contractors: parking is not permitted on the public road. the site has a designated area for parking. In addition employees and contract labour will be encouraged to "car share" to reduce the number of vehicles requiring parking.

The site from Barrow via Whiteacre Lane and Cuncliffe Lane: The site is along a narrow lane. DHC employees must show respect and be polite to residents using this lane. It will be necessary for very large vehicles to reverse on to the site. Delivery Vehicle movements to be supervised by DHC Banksman.

Recycling/disposing of waste:

a scheme for recycling/disposing of waste resulting from construction works, individual skips will be located specifically for sorting waste & for recycling.

Scaffolding:

All Tube and Clip Scaffolding to be erected and modified by suitable contractor and carry a staff Tag with dates of inspection and use. The loading rating to be suitable for heavy loads delivered by telehandler and fitted with suitable gates on upper stages.

The main dangers on this site are:

Nail Guns: Use of electric or gas powered nail guns for fixing to timber. Nail guns use a piston to drive at high speed nails or staples into timber. They can also drive nails in to operators etc! Incorrect use of gun, resulting in flying nails resulting in nails impregnating skin or eye injury Only trained persons to use nail gun - no persons under 18 years of age. Ensure the nose guard is functioning correctly before use. During adjustment or maintenance remove nails, battery, gas canister or switch off supply. Always keep behind the gun and never aim at another person.

Storage of Materials: The delivery, storage and use of construction materials can result in injury, Keep all all areas of the site tidy and free of clutter. timber, block work must be stored and kept in 'good order' When materials are due to be delivered, a suitable location will be prepared which is as near as practical to the point of use, but ok for the delivery vehicle. Especial care must be taken when un-packing brick, block work etc never leave pallets insecure.

Waste Management: All waste produced can present a real safety hazard to workers & visitors to the site. The site will have an area set aside for waste materials, and will include skips etc. DHC will ensure that all operatives are told that they are responsible for any waste they produce, and that they must recycle such waste into the skips on a daily basis. Any hazardous waste to be segregated and clearly marked.

Tools and Machinery: Defective or broken equipment can result in injury or even death. DHC will ensure hand tools, portable tools and machinery is maintained and operators are competent in their use. In addition DHC will ensure that timely & suitable Tool Box talks E.g; Ladder use etc.

Site Inspections: DHC will arrange for site inspections to be undertaken as necessary, these will include; site conditions, excavations, ladders, scaffolding or work platforms and welfare. These inspections are to be recorded and any defects or actions sorted out.

Heavy Duty Mixers: The site uses heavy duty petrol mixers for mixing mortar etc, these must be located on level ground and clear of obstructions, slurry waste is a slip hazard, it must be removed from the mixer area into a tub or pit to drain and dry out. The hazards from the inhalation of Portland Cement requires operators to wear a suitable dust mask.

David Holmes Construction workers may suffer ill health as a result of exposure to both harsh working conditions and hazardous substances. Ill health can result from:

Asbestos: Exposure to asbestos can cause serious respiratory diseases such as asbestosis and cancer.

Manual handling: Lifting heavy and awkward loads Eg; Blockwork or beams may cause back and other injuries. DHC has manual handling procedures for the activity at this site.

Noise and vibration: Operating Stihl Saws, breakers and other machines can cause high levels of noise which can cause hearing loss also repeated use of vibrating tools can cause hand-arm vibration syndrome (damage to nerves and blood vessels – most commonly in the hands and fingers). See DHC risk assessments for control methods.

Chemicals: Exposure to construction materials such as cement and solvents can cause skin problems such as dermatitis. DHC have risk assessments that include control methods for these hazards.

Exposure to Silica and other dusts: Exposure to building dusts may arise during building work, this is prevented by using wet cutting and dust extraction. There are specific hazards of working with Portland Cement with the inhalation of dust. DHC have risk assessments that include control methods for these hazards.

Welfare facilities: DHC will provide adequate toilet and washing facilities, a place for preparing and consuming refreshments and somewhere for storing and drying clothing and personal protective equipment. The mess room will include heating for food and drinks.

First Aid: DHC will provide a first aid kit suitable for the work activity, in the welfare mess room.

Sewage: DHC will consider the hazards of working with an existing sewage system and pipework, suitable working methods and PPE to be used.

In Summary;

The principal contractor is a key duty holder who is responsible for managing health and safety on this construction site.

Key actions include:

- **planning:** preparing a construction phase plan that ensures the work is carried out without risk to health or safety
- **managing:** implementing the plan, including facilitating co-operation and co-ordination between contractors
- **monitoring:** reviewing, revising and refining the plan and checking work is being carried out safely and without risks to health
- **securing the site:** taking steps to prevent unauthorised access to the site by using fencing and other controls
- **providing welfare facilities:** making sure that facilities are provided throughout the construction phase
- **providing site induction:** giving workers, visitors and others information about risks and rules that are relevant to the site work and their work
- **liaising on design:** discussing with the principal designer any design or change to a design.
- **Reference** to detailed RA's for further information.

**SITE INDUCTION CHECK LIST FOR BB79BL
VISITORS AND CONTRACTORS WISWELL SITE.
CONFIRM A COPY OF THE PUBLIC LIABILITY
INSURANCE BEEN RECEIVED?**

Name of Contractor:

Description of task;

- | | | |
|-----|---|-----|
| 1. | DHC General Statement of Health & Safety Policy | [] |
| 2. | Describe the site and current activity. | [] |
| 3. | Indicate any no go areas - hazards. | [] |
| 4. | Indicate Welfare - Mess Room & Toilet. | [] |
| 5. | Emergency Procedure Telephone Number. | [] |
| 6. | Explain basic PPE requirements. | [] |
| 7. | Inform about NO Smoking site. | [] |
| 8. | Location of Accident Book. | [] |
| 9. | Information about Neighbours & Noise. | [] |
| 10. | Point out Fire assembly point. | [] |
| 11. | Workwear Rules. | [] |
| 12. | Location of First Aid Kit & Eye Wash. | [] |
| 13. | Using Hi Visibility clothing on site. | [] |
| 14. | Use of ladders and stepladders. | [] |
| 15. | Contractor Method Statements. | [] |
| 16. | Overhead Electric or Telephone Cables. | [] |
| 17. | Storage & use of Flammable materials. | [] |
| 18. | Underground - Services Elect/Gas/Water | [] |
| 19. | Site Safety Signs and notices. | [] |
| 20. | Vehicle Parking and traffic movements. | [] |
| 21. | How to dispose of general waste materials. | [] |
| 22. | How to dispose of Special waste materials. | [] |
| 23. | Working at Height. | [] |
| 24. | Working on scaffolding & Trestles . | [] |
| 25. | Clearing tools and Debris each day. | [] |
| 25. | Be Aware of Public Footpath near site entrance. | [] |
| 26. | Aware of Tree Root Protection areas. | [] |

Signatures:

Date:

Induction Conducted By:

Monitoring of Health and safety of workforce.
Incident - Injury Book.

Toolbox Talks:

- Scaffolding - Kwikstage.
- Personal Protection Equipment inc; Eye Protection.
- Use of Ladders & Trestles.
- Manual Handling.

Site Health & Safety Inspections:

- Periodic Health & Safety Inspections.
- Report sub standard conditions or practices.
- Excavation daily inspection form.

The Health & Safety File;

A folder to be kept and all Drawings and any unusual materials used during construction to be listed.

drawings to marked up with any changes or modifications.

any instruction manuals to be included.

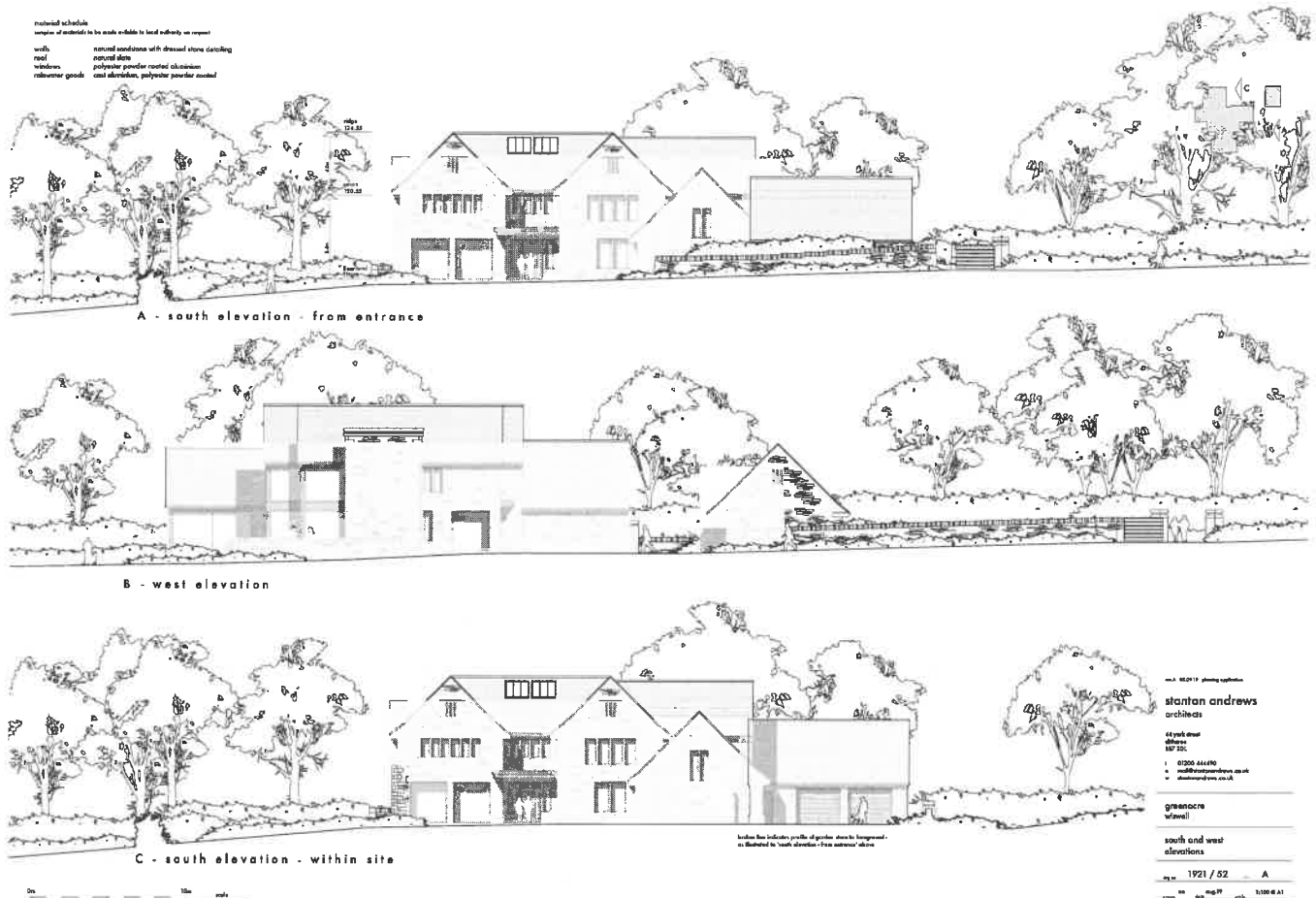
At the end of the project the H&S file is to be collated and then handed over to the client.

RIBBLE VALLEY BOROUGH COUNCIL PLANNING PERMISSION.

APPLICATION NO. 3/2019/0834

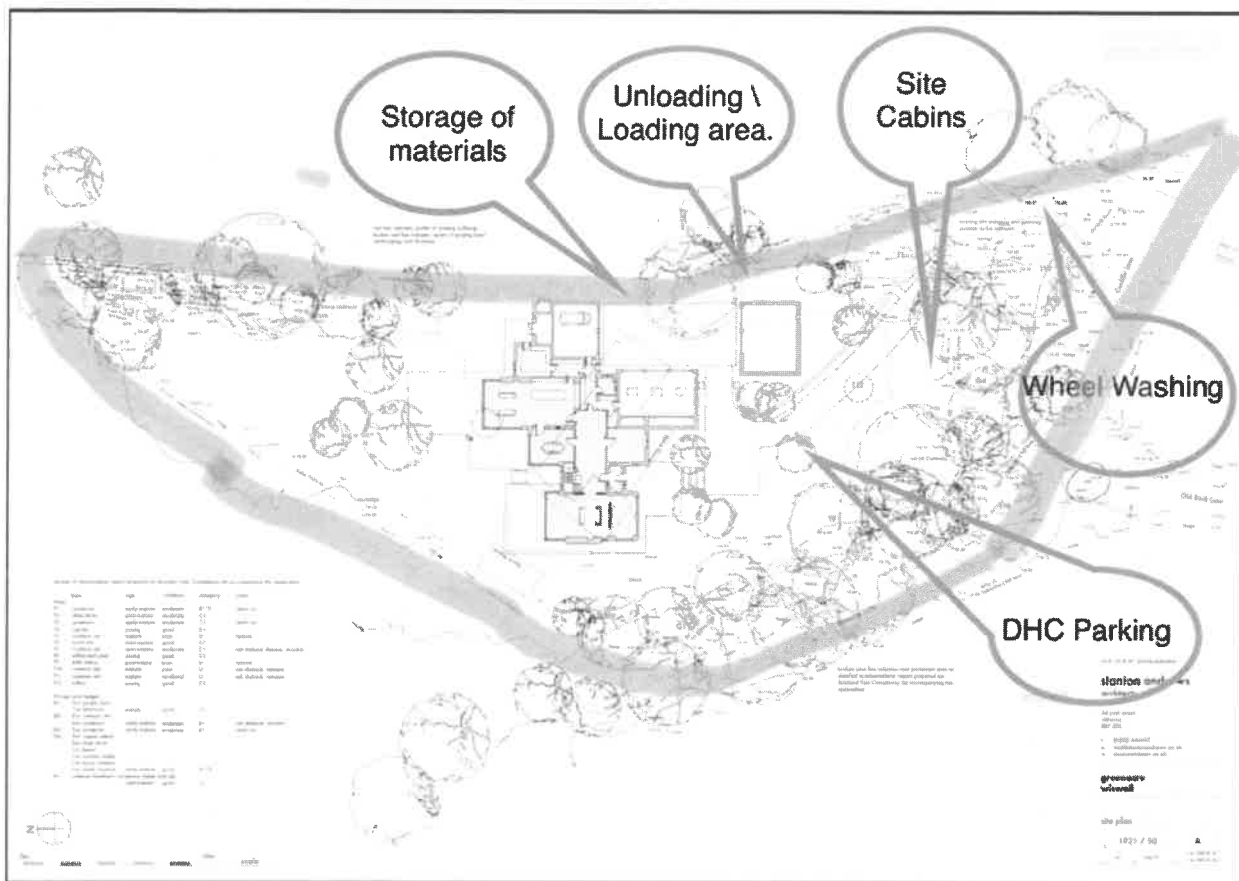
- A. The siting and location of parking for vehicles of site operatives and visitors
See Site plan - Page 21.
- B. The siting and location for the loading and unloading of plant and materials
See Site plan - Page 21
- C. The siting and locations of all site cabins
See Site plan - Page 21
- D. The siting and location of storage of plant and materials used in constructing the development **See Site plan - Page 21**
- E. The siting and locations of security hoarding,
The site is enclosed by a mature hawthorn and mixed trees barrier, the entrance has gates that can be secured to prevent access.
- F. The siting location and nature of wheel washing facilities to prevent mud and stones/debris being carried onto the Highway (For the avoidance of doubt such facilities shall remain in place for the duration of the construction phase of the development).
See Site plan - Page 21
- G. The timings/frequencies of mechanical sweeping of the adjacent roads/highway.
Dependant upon weather conditions a contract road sweeper will operate when mud or debris occurs on the highway. The site wheel washing should minimise any issues with such contamination.
- H. Periods when plant and materials trips should not be made to and from the site (mainly peak hours but the developer to identify times when trips of this nature should not be made) **Construction material delivery will be restricted between the 08:45 and 16:30 weekdays.**
- I. Days and hours of operation for all construction works.
Hours of work is 07:30 to 17:30 Monday to Friday and 07:30 to 13:00 hours on a Saturday.
- J. The routing for construction vehicles including vehicle type
Heavy or long vehicles via Barrow and Whiteacre Lane, See page 22.
- K. Contact details for the site manager(s)
Mr David Holmes Office 01254 854302 Mobile 07973 721285



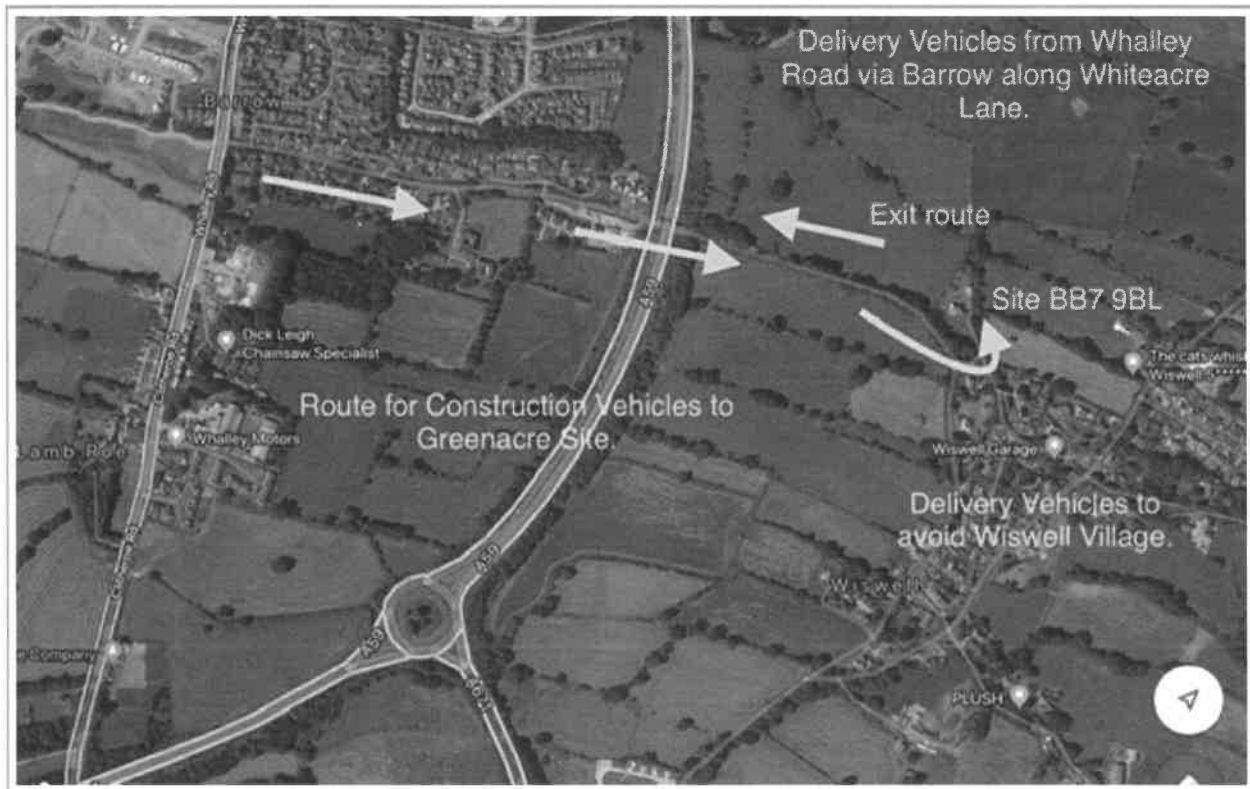


Site Plan showing Elevations.





Arrangements of on site Storage & Vehicle Parking - indicates approx position of Vehicle Wheel Washing.



Arrangements for large delivery vehicles