

Health & Safety Method Statement

From

**Dowls Construction Ltd
9 Sandy lane
Skelmersdale
WN8 8LA**

For

**Arboriculture Method Statement
Woodend Stirling inks
Netherley Road
Tarbock Green
Knowsley
L35**

Prepared by:

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Contract Manager: John Robinson Mob:	Site Manager: Andy Hewitt Mob:	Contact details: Office:
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Nature of the work

The works involve removal of existing concrete bases, removal of contaminated ground etc to enable construction work for 10 new houses within the plot but prevent damage to existing tree roots and establish where necessary RPAs (root protection areas)

Tree works

- Prior to any works starting a toolbox talk regarding wildlife will be given to all operatives to make them aware of habitats and no go areas
- Where existing vegetation requires to be cut back then prior to this a check of the vegetation for any wildlife will be undertaken
- Where wildlife is found then area will be avoided until such time as wildlife can be resited
- Consideration will be given to the existence of any hedgehogs who will be sleeping during the day due to being nocturnal
- Any removal of vegetation will be done slowly and deliberately by hand in order not to disrupt, displace or injure any protected wildlife

Site storage & compound

- Site cabins and welfare and toilet units will be sited within the area of G5 as outlined in appendix 2
- A small excavation approx. 300 mm will be needed to allow for the running and connection of soil pipe to existing drain for toilet unit and for the running of water to cabins and toilet unit
- Water pipe to be run in Alkathene pipe and connection made with main building and units

Excavation work

Before the commencement of excavation work the site manager will:

- Ensure no person is permitted to enter any unsupported excavation
- All excavations will require support to prevent accidental collapse of trenches, all sides will be properly supported or battered back to a safe angle for the ground conditions
- Where services are considered to be within the excavations then removal will be by hand and not machine
- Where this is deemed necessary then a permit to dig system will be put into operation
- All work in the excavations will be confined to only the personnel who are required to be there. This to reduce the risk of accidents occurring
- Edge protection will be placed around excavations to prevent accidental falling into excavations.
- Suitable & sufficient signs will be erected at designated points to warn of dangers
- Where connection to drains is required then all operatives to wear appropriate p.p.e

- When working in or adjacent to drains consideration given to the risk of disease from rats urine (weills disease) and smells as well as the risk from build up of methane gas also potential from bio hazards within exiting drains
- The site manager to oversee all works in connection with drains and excavations
- Spoil from excavations will be transferred to designated location away from excavation to prevent any risk of excess spoil collapsing or spilling into excavation

Construction exclusion zone fencing

- Timber Hoarding erected to boundary of site to prevent unauthorised access at all times prior to works starting on construction site and removed when secure boundary constructed
- Entrance into site to be set back form the road to provide space for vehicles to exit the highway and enter the site without blocking the highway and to provide safe exit route so drivers can see without impinging on the highway
- Block and Mesh fencing erected internally to cordon off site compound area
- Signs and notices to be erected warning of dangers and alternative walkways. Theses to conform with the (safety sign & signals) regulations 1996.
- Access to the site will be through access gate in secure Hoarding around perimeter of site.
- All site personnel and visitors to report to site office for registration prior to work commencing.
- All contractors & sub-contractors to undergo induction training prior to work commencing.

Decontamination of ground

- location of contaminated ground is within a 4 sq mtr section adjacent to the front gate
- Area will marked out and concrete removed using excavator with pecker to break up concrete and then lifted away
- Area around to be cordoned off during the works with heras fencing
- Contaminated land will then be removed using the bucket on the excavator and contaminated spoil placed on lorry for removal from site
- Wheel wash available to clean wheels to prevent potential for contaminated spoil to enter highway

Services located outside of RPA

It is anticipated that all services will run down centre of the site away from any potential RPAs

Isolation of Services / Utilities

- Temporary supplies will be provided for electricity, water, these are to be arranged with utility providers.
- Where necessary to excavate services a permit to dig system will be employed
- Contacts, names and addresses of utility providers will be given to the project designer for placement in the health and safety file

Drainage works

- Existing paving slabs removed around area where drains require to be excavated and placed away from work area but adjacent to reduce lifting and carrying
- Ground to be excavated by hand and all spoil located form excavation to prevent slippage back into excavation
- A permit to dig system will be put into operation

- All work in the excavations will be confined to only the personnel who are required to be there. This to reduce the risk of accidents occurring
- Edge protection will be placed around excavations to prevent accidental falling into excavations.
- Suitable & sufficient signs will be erected at designated points to warn of dangers
- Where connection to drains is required then all operatives to wear appropriate p.p.e
- When working in or adjacent to drains consideration given to the risk of disease from rats urine (weills disease) and smells as well as the risk from build up of methane gas
- The site manager to oversee all works in connection with drains and excavations
- Redundant drainage will be removed and new section of drainage pipe will be inserted where previous connection was affixed
- Upon completion water will be run down the drain to confirm no leaks prior to backfilling
- When completed spoil reinserted into excavation and flags reinserted on top
- Area made good on completion

Soft landscaping & New boundary treatments

- Boundary fencing will be timber posts with wooden 6x6 fencing panels inserted
- All materials will be dropped adjacent to the works to reduce potential WRULD or musculo skeletal injuries form repeat bending and lifting and carting
- Holes for posts will be hand dug and where necessary a permit to dig system put in operation
- When holes excavated then posts inserted and concreted in
- Consideration will be given at all times not to disturb or infringe on any potential RPAs in the location
- When posts set then wooden panels inserted to form boundaries to gardens
- Existing garden surface will be levelled by raking soil and grass turf laid on surface
- On completion all tools and potential waste will be removed for recycling

Tree protection monitoring

The nominated ACoW (Arboriculture clerk of works) will be our SHE advisor

Mr J Taylor CFIOSH/MRSH/IMAPS/MIFSM

Chartered Safety & Health Practitioner

He will over see all works by regular attendance on site and completing site inspection reports

These will be dated and retained on site for reference

Mechanical Plant

- All drivers / operators will be properly trained and have certificates to prove competency before work begins on site.
- No person other than the driver will be allowed to ride on vehicles not constructed for passengers
- All drivers are to report defects immediately they occur
- All plant and machinery will be inspected daily prior to being operated.
- No vehicles will be left running whilst unattended. All vehicles must be left in a safe position and with the handbrake on and keys removed

Security

- Should access be gained to the site then all machinery and plant will be left in a safe condition and immobilised.
- Under the Occupiers Liability Act we will ensure that the site is left safe at night and that all site huts will be secured. Our duties include ensuring that nothing is left which would cause harm or injury. A site nightwatchman will be on site
- Signs and notices will be placed in prominent locations warning of dangers on the site.
- The site will be left in a clean and tidy condition at the end of every working day.

P.P.E issue

- EN 397 type hard hats
- EN 149 type dusts masks (p3)
- EN 471 type Hi Vis
- EN 1661f type safety glasses
- EN 345 type Safety footwear
- EN 352.2 type hearing protection
- EN 388 safety gloves

Dusts

- Consideration will be given at all times to dusts created by our works
- Where cement dusts created due to removal of existing block walls then where necessary visqueen placed around door openings to prevent ingress of dusts entering hallway etc
- Where required then wetting down of dust forming activities will be carried out to reduce the amount of airborne dusts
- Consideration will also be given to cement dusts especially Silica dusts and all operatives will wear appropriate p3 dust masks with filters and where necessary half face masks

Noise

- All noisy operations will be kept to minimum to prevent disruption to existing residents/occupiers
- All operations where noise is a factor such as drilling etc will be below the action level of 85DBa
- All plant and equipment is calibrated and operate around 85 DBa where not then suppression will be employed to reduce noise levels

Welfare

- Provision has been made for use of existing facilities
- Container provided for making drinks, eating and making meals along with drying room etc

C.O.S.H.H

- Where substances to be used hazardous to health then a coshh assessment to be carried out

WASTE

- All waste from excavations will be retained on site, hardcore will be crushed and re-used on the site along with any spoil
- All contaminated spoil removed will be loaded directly onto vehicle for removal off site and accompanying waste transfer notes retained
- Consideration will be given to the location for the spoil