



SOUTH WALES
SPORTS GROUNDS est. 1964

RAMS

(Risk Assessment and Method Statement)

VAUGHAN PARK – RESOLVEN

3G CONVERSION

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

Table of Contents

GENERAL OVERVIEW	3
Personnel:	5
<i>Training / Experience of Individuals</i>	5
Mandatory minimum for PPE	5
Security and Working Hours:	5
Emergency Procedures & Accident Reporting:	6
Site Rules:	6
Consultation / Communication:	7
Controls for the protection of Third Parties (e.g. Public, Other site workers):	7
Temporary Works or Permit to Work Control Requirements:	7
Plant / Tools Required during the work:	7
Deliveries / Traffic Restrictions.	7
Monitoring & Review.	7
Relevant Documentation:	8
Methodology of the works	8
Site Preparations	8
Loading and Unloading of Plant	9
Loading and unloading of Materials	10
Plant H&S	11
Operation of a 360 Excavator	12
Use of Dumpers	13
Operation of a Dozer	14
Operation of a 140 Roller	14
Use of an Avant Wheel Loader	16
Control of Noise, Dust and Vibration	17
Protection of Children, Residents, Visitors and members of staff	17
Preparation of the surface	18
3G Conversations	18
Soil Strip	18
Formation Preparation Light Grading works	19
Cleaning of Tarmacadam Surface	20
Drainage Holes in Tarmacadam	21
Drainage Installation (Excavator)	22
Primary Drainage and Lateral Drainage	23
Sub Base Stone Works	24
Tarmac Base (If Applicable)	25
Hand Laying of New Base Tarmacadam Course (If Applicable)	25
Installation of New Twin Mesh Fencing	26
Floodlighting Civils	27

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

Installation of Detox Grid with Road Plate Protection	28
Prefabricated Underlay (If Applicable)	29
Installing an Insitu Rubber Shock pad (If Applicable)	29
Artificial Carpet Installation	30
RISK ASSESSMENTS	33
FIRE RISKS ON SITE	34
USE OF WASTE BINS/SKIPS	36
USE OF POWERED MIXERS	38
MATERIAL STORAGE	40
HIGHLY FLAMMMABLE LIQUID (HFL) – USE AND STORAGE	42
SAFE USE OF ABBRASIVE WHEELS	44
USE OF HAND TOOLS	46
USE OF UTILITY KNIVES	48
USE OF LASER LEVELLING EQUIPMENT	50
MANUAL HANDLING/OFFLOADING OF MATERIALS	52
USE OF PORTABLE ELECTRICAL EQUIPMENT	54
NOISE AT WORK	56
HOLES, VOIDS AND EDGES	58
USE OF LIFTING EQUIPMENT (GENERAL)	60
ON SITE EXCAVATIONS	62
WORKING ON OR NEAR UNDERGROUND SERVICES	65
USE OF/ WORK AROUND AVANT WHEEL LOADERS & TELESCOPIC HANDLERS	67
WORKING NEAR OVERHEAD ELECTRICAL CABLES	69
WELFARE FACILITY (SITE BASED)	71
PREMISES AND SITE SECURITY	73
MANAGEMENT OF ROAD TRAFFIC	75
USE OF MIXING OF GLUES	77
LOADING & UNLOADING OF DELIVERIES AND EQUIPMENT	79
HAND ARM VIBRATION (HAVS)	81
FUEL STORAGE CONTAINERS	83
INSTALLATION OF SHOCKPAD AND CARPET	85
Slips, Trips, and Falls	87
Slips, Trips, and Falls	89
RAMS (Risk Assessment and Method Statement) SIGN SHEET:	90

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

GENERAL OVERVIEW

Revision Number	Revision Date	Revision
-	-	-

Prepared By:	Samantha Watts, H&S Co-Ordinator
Signature:	

Client	NPTCBC
Site Address:	John St, Resolven, Neath SA11 4LD

Notable hazards:	Working adjacent to active sports facilities • Site compound to be fenced off , safety signs displayed as per company standards . • Site entrance to be controlled at all times. • All operations (Inc. Workers and material ,plant etc.) shall be confined to the area of the working site , agreed designated storage area and access routes . • Checks of site perimeters take place daily . • Site to be inspected and secured at the end of each working day . • Possible shared access with maintenance for grass pitch. Deliveries – Access to site • No Artics due to tight access and roads • Deliveries to be controlled by TMP . • Traffic arrangements and restrictions to be communicated internally and to suppliers prior to the start of work on site . • Banksman to be used to greet delivery vehicles by turning off John Street and safely guiding them to compound area . • No deliveries – before 08.00am due to residential area • Interface with the public at John Street entrance due to residential area • Overhead cables in area of work • Existing services running underneath MUGA and pitch extension area • Tight roads and access to area of works
PPE Required:	• Hard Hats – EN397 • Hi-visibility clothing T-Shirt /Jumper/Jacket – BSEN471. • Full Length trousers / Hi-Vis trousers (Contract Requirements) • Safety boots – ENISO 20345 • Safety gloves - EN388, cut 3(minimum or above) • Eye Protection (where necessary) – EN166 • Hearing protection (where necessary) – EN352
First Aid Provision:	• First aid kits stored in staff vans & welfare units. • SWSG supervisor is the appointed first aider.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

	Adequate Access will be always maintained.
Fire Safety:	- Fire extinguishers to be kept in / near fuel storage and welfare unit. - Public Highways will be kept clear, safe, and unobstructed always. - SWSGL will ensure that adequate access for emergency vehicles is always maintained.
Environmental:	- Concrete washout – frame with Blue Rinse Nappy Sack, a self-dosing bag which separates the solids, automatically reducing the pH of the water (1 bag per 100 m3 of concrete), so it can be discharged freely into surroundings - Fuel to be provided in a 2500l fuel container with secondary containment providing > 110% of primary volume. Laydown area with spill kits and fire extinguishers next to fuel. - Spill pads are to be used for refuelling operations and as spill control for plants and machinery on site. - No noisy works will be permitted to start until after 8:00am due to nearby residential areas. - Noise levels of equipment sent to site to be assessed – any equipment being used exceeding 85 dB will require warning signage in place. - Site operators will be provided with ear defenders and enforced to wear it if equipment/machinery exceeds the limit of 85 decibels. - Dust levels during excavation works to be monitored and dust suppression methods to be introduced if needed (tractors with implements regularly spraying area of works). - For kerb cutting water suppression to be used. - Toolbox talks will be delivered monthly by contractors on relevant environmental issues to raise awareness.
Site Security:	SWSGL will be responsible for the security of their area of work, plant equipment and material.
Traffic Management:	- Access to, and egress from the site will be via John Street (see Plan). - SWSGL to communicate TMP with restriction times to supply chain. - A banksman will be used to navigate the vehicles in/out of working area. - All vehicles and machinery to limit the speed to 5 mph. - No operatives are to board the back of any delivery vehicle without an adequate fall arrest system in place.
Working hours:	- SWSG working hours 08.00am – 17:00 Monday to Thursday and 08.00am – 16:00 on Fridays are the standard site hours. - NOTE: extended hours, when necessary, are in accordance with the client.
Restrictions:	No deliveries before 08.00am due to residential area No Artics for deliveries due to tight access residential roads & overhead cables
Site Provisions:	- Welfare unit to be provided to site (equipped in line with SWSGL site set-up procedure) - SWSGL to provide storage and fuel containers
Services:	- Desktop study of the area to be performed prior to start of works on site. - Operatives to strictly follow the safe method of work as described in these RAMS when doing. - Operatives to strictly follow the safe method of work as described in these RAMS when doing excavation works.
Permits to Work:	- Required permits – permit to dig. - SWSGL shall ensure that all personnel comply with the permit systems. - SWSGL shall ensure all fulfilment of the permit systems are closed out.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

Supervision/Training:	- All works to be supervised by SWSG supervisor (SSSTS) who will be on site for full duration of works. - Regular visits by SWSG management. - All site operatives/plant operatives to be fully trained and competent to CSCS/CPCS. - Minimum number of staff on site: 2
Plant/equipment:	- Certs for all machinery and lifting equipment to be supplied before use. - All equipment provided shall comply with the Provision of Work Equipment Regulations 1998.
Other requirements:	

Personnel:

Training / Experience of Individuals

South Wales Sports Grounds Contractors Ltd Site Manager will be responsible to ensure that all operatives have received a site Induction prior to commencing any work activity on or around site.

No person will be permitted to operate any plant, machinery or equipment unless trained and authorised to do so.

All South Wales Sports Grounds Contractors Ltd.'s operatives will hold the relevant CITB CSCS cards.

This Method Statement is to be read in conjunction with the relevant risk assessments for the proposed works by the operatives undertaking the works and a record sheet signed. All persons involved in the task will be made aware of the contents of this Method Statement and instructed to work according to its requirements. All operatives will be fit to carry out their work safely. It is the responsibility of the operatives involved in this task to report any medical conditions to the site supervisor in which may put themselves or other at risk.

Mandatory minimum for PPE

Hard Hat:	☒	High visibility Jacket	☒
Gloves	☒	Safety Footwear	☒
Hearing Protection	☐	Eye protection	☐
Safety harness	☐	RPE	☐

Other PPE: Please specify:

South Wales Sports Grounds Contractors Ltd has provided its operatives with appropriate PPE to undertake the task. The PPE provided will be stored in accordance with the manufacture's recommendations.

Security and Working Hours:

SWSGL will be responsible for security of our work areas, plant, equipment, and material.

08.00 a.m. to 17:00 p.m. Monday to Thursday 08.00am to 16.00 Friday are the standard site hours. Prior agreement shall be requested from the Client before any work to be undertaken outside these hours. No plant/equipment to be started before 08:00 (Residential area).

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

Emergency Procedures & Accident Reporting:

South Wales Sports Grounds Contractors Ltd Site Supervisor/Contracts Manager will be responsible to ensure that all operatives undertaking the tasks have been made aware of the emergency procedures associated with the site and details of the First Aiders.

Should any site personnel suffer an accident, South Wales Sports Grounds Contractors Ltd Site Supervisor/Contracts Manager will record the incident within the accident book held in the site office and follow the South Wales Sports Grounds Contractors Ltd company procedures on accident reporting. If required, the companies Health & Safety Manager will attend site to undertake a full investigation into the accident.

If the accident is reportable under RIDDOR the South Wales Sports Grounds Contractors Ltd Site Supervisor/Contracts Manager will issue the appropriate documents the Health & Safety Manager who is the Responsible person to complete the appropriate online report form which shall be submitted directly to the RIDDOR database/H.S.E. and a copy shall be provided to the Client.

All operatives will be fit to carry out their works safely. It is the responsibility of the operatives involved in this task to report any medical conditions to the site supervisor in which may put themselves or others at risk.

Site Rules:

- Wear hard hats, hi vis t-shirt / jumper/ jacket, full length work trousers, safety footwear, eye protection, gloves, and other PPE as appropriate.
- All accidents however minor is to be reported to the Site Manager.
- Verbal or Physical abuse towards anyone including staff will not be tolerated and disciplinary action will be taken accordingly.
- Sexual harassment towards anyone including staff will not be tolerated and disciplinary action will be taken accordingly.
- Follow the site fire and Emergency Evacuation Procedure.
- Never interfere with or misuse anything to do with your safety.
- Report any unsafe working practices or conditions.
- All machine guards must be in position before operation.
- Never operate plant or equipment unless trained to do so.
- Never alter or remove scaffolding.
- Never knowingly operate faulty or defective equipment inform Site Supervisor/Contracts Manager.
- Never use a ladder unless it is of sound construction, correct length and it is properly secured or footed.
- Keep your workplace tidy.
- Keep your welfare facilities tidy, do not leave rubbish or scraps of food around site use the waste bins provided.
- Do not come to work if under the influence of drugs or alcohol.
- Personal radios, stereos are not permitted on site.
- Do not indulge in horseplay, running, fighting or malicious damage while on site.
- Do not interfere with any electrical plant or equipment.
- Always work in accordance with prepared Method Statements / Risk Assessments.
- Works and delivery vehicles delivering to the site, or works vehicles moving around the site, must be supervised by a competent banksman.
- Mobile towers must only be erected or adapted by competent persons.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

- All personnel to sign in and out of site daily.

Consultation / Communication:

South Wales Sports Grounds Contractors Ltd will provide a mobile telephone for constant communication with external lines of communication and emergency procedures.

Controls for the protection of Third Parties (e.g. Public, Other site workers):

Areas of work shall be fenced off as necessary and protected by designated routes for other workers passing by and re-routing at the appropriate stage the entrance to the site area by other trades or visitors.

The areas immediately around / below any working at height will be coned off to avoid any persons being struck by falling objects.

Temporary Works or Permit to Work Control Requirements:

The company shall ensure that all personnel comply with the permit systems.

Plant / Tools Required during the work:

All equipment shall comply with the Provision of Work Equipment Regulations 1998 (PUWER). All operatives shall be certificated and competent in the operation of their equipment.

The Following tools are expected to be used during the proposed activities on site:

- General Hand Tools
- Electrical Power tools

All plant and equipment supplied by South Wales Sports Grounds Contractors Ltd will be supplied with the relevant test certificates and will be subject of regular inspections in accordance with statutory requirements.

Deliveries / Traffic Restrictions.

Deliveries generally will be scheduled in advance with the South Wales Sports grounds Ltd. As far as is reasonably practicable deliveries will be scheduled to each work area, immediately to minimise double handling and storage on site. Where practical mechanical aids will be used to move materials and equipment to reduce the need for manual handling. This Method Statement should be read in conjunction with the traffic management plan and the manual handling Risk Assessment which accompanies it.

Monitoring & Review.

The South Wales Sports Ground Contractors Ltd Site Supervisor/Contracts Manager will be responsible monitor the company's works on site and to ensure that a good safety culture is maintained on site on a day-to-day basis. The South Wales Sports Grounds Contractors Ltd Health & Safety Manager will attend site upon request to undertake inspections and/ audits as required. South Wales Sports Grounds Contractors Ltd will monitor adherence to this Method Statement.

This Method Statement and Risk Assessments shall be under constant review. Any alterations or modifications to this Method Statement will be communicated to any person who may be affected by those changes. No alterations or modifications to this Method Statement will be made without prior consultation with those affected and the Client and the Principal Designer.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

Relevant Documentation:

Including Risk Assessment to be read in conjunction with this method statement:

This document should be read in conjunction with the following documents:

- Company H & S Safety Policy
- Company Environmental Policy
- Company Quality Policy
- Relevant COSHH Assessments
- Traffic Management Plan
- Risk Assessments

Methodology of the works

Site Preparations

- Site setup will be in accordance with the Traffic management plan to be supplied with the H&S package.
- During site setup temporary Heras fencing will be erected to prevent access of public to the worksite for H&S and site security.
- The site management plan will also indicate the position of the welfare facilities, cabin locations, parking, and material/plant storage areas.
- Panels will arrive via an articulated vehicle following the designated transport routes and guided by a banksman.
- Heras security fence panels shall be used to secure the site perimeter, contain the works, and provide a barrier to protect the public.
- Stillages of Heras feet will be moved as close to the drop off point as practicable using an Avant wheel loader by a competent operator and will be finally placed by hand.
- Each foot weighs 15Kg and will be handled by one person following correct manual handling techniques as highlighted in the RA.
- Panels will be carried into place by hand. One panel weighs 17Kg, but due to its dimensions, should be moved into place using 2 persons, one at either end of each panel.
- Finally, each panel is secured to its neighbour using 2 Heras panel clips and secured to the ground via a wooden stake or the use of block and brace, where necessary triangular edges will also be installed using the same method.
- Safety Signs will then be fitted using either cable ties or tying wire fixed using hand tool techniques as highlighted in the RA.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

Loading and Unloading of Plant

- All offloading of materials and plant, including that belonging to sub-contractors, is to take place WITHIN the boundaries of the site, except by specific agreement with the client's representative.
- Prior to use, all operatives should ensure the correct service information and certification is available including thorough examinations prior to using the plant or equipment.
- Prior to entering site, driver should risk assess their surrounding when entering site and be aware of and Check work area for overhead cables.
- In the event of the existence of existing services seek alternative work area or get approval from site manager to proceed.
- When entering the loading and unloading area the Lorry should be on firm and level ground while loading and unloading.
- Before exiting the cab, the parking brake must be applied, and the ignition is off, and keys removed from the vehicle.
- Check the transporter bed is clear of debris and unhook any chains/straps before working.
- Keep yourself and all personnel clear of 'downhill side of load'.
- Keep yourself and all personnel clear of area behind loading ramp.
- Keep yourself and all personnel clear of moving ramp.
- Unlock loading ramp.
- Do not move vehicle unless ramp is fully stowed and locking stays engaged.
- Ensure machine being loaded/unloaded cannot roll away, chock if necessary.
- Do not ride on machine being loaded/unloaded unless it technically requires driving.
- Do not allow yourself or other personnel to be positioned between load and body headboard.
- Do not walk-up body alongside machine being loaded/unloaded.
- A minimum of 4 load restraints shall be used to secure machines to body.
- Always 'dump air' from suspension before loading/unloading.
- Ensure suspension is restored to 'ride' position before moving vehicle.
- Always ensure that area to load/unload is safe and act to minimise collision risks.
- If jacklegs are fitted to vehicle they must always be in firm contact with ground whilst loading.
- If the ground is too uneven for this then the jacklegs must be blocked to ensure they are supported.
- Do not place hands or limbs into crush areas on ramps while moving them up or down.
- When collecting plant from site, check plant is free of major defects.
- STOP working if defects are found that may compromise safety.
- When collecting plant from site, be aware that muddy or wet conditions may cause machine to slip on ramps.
- In these conditions, tracks/wheels must be cleaned or be placed on the ramps to help grip.
- Failure to adhere to this advice could lead to the machine sliding/falling from the lorry whilst loading.
- If in doubt, please contact your Transport manager before loading any machine.
- Ensure site workers and pedestrians are a safe distance away from the work area, particularly at the bottom of the ramps and to the sides of the lorry.
- In situations where persons in proximity of work cannot be avoided, inform site manager and inform those in proximity of work.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

- Do not jump off the transporter bed, either walk down ramps or hold onto side of bed while dismounting whilst facing the bed.
- Do not rush what you are doing, the risk of an accident (particularly slips, trip and falls) is much higher.
- All machines must be secured using enough chains or straps rated to the weight of the machine, multiple chains/straps might be needed.
- The Department of Transport code of practice for safety of loads vehicles advise that we always follow the manufacturers recommendations for securing plant.
- PPE required on site: hard hat, high visibility vest, toecap boots, gloves.
- Use care when loosening ratchets, they can snap back causing injury.
- Keep area clear.
- Extreme caution when walking on or around transporter bed, looking out for potential trip hazards.
- Use official guidelines on chain positions.
- All excavators must be loaded with arms facing the direction of travel.
- All dumpers and rollers under 3T are to be reversed onto lorry with Roll Over Protection Systems (ROPS) up and seat belt fastened and driven off.
- All bobcats are to be reversed onto the lorry and driven off.
- All drivers are to be aware of machine weights and their positioning on vehicles so as not to overload any or all of the axles.
- When carrying multiple machines, you must be aware that they do not hit each other and cause damage.
- All drivers must be aware of any overhead restrictions such as low telegraph cables when loading /unloading machines.
- Drivers of HIAB are to make sure cranes are always stowed away before moving off and all legs are securely stored.
- All lorries are to be washed weekly.
- All drivers should be aware of crush zone by the ramps or beavertail.

Loading and unloading of Materials

- All offloading of materials and plant, including that belonging to sub-contractors, is to take place WITHIN the boundaries of the site, except by specific agreement with the client's representative.
- Clear of other traffic, pedestrians and people not involved in loading or unloading.
- Clear of overhead electric cables so there is no chance touching them, or of electricity jumping to 'earth' through machinery, loads or people.
- Level to maintain stability, trailers should be parked on firm level ground,
- Loads should be spread as evenly as possible, during both loading and unloading. Uneven loads can make the vehicle or trailer unstable.
- Loads should be secured or arranged so that they do not slide around. Racking may help stability.
- Safety equipment must be considered.
- Mechanical equipment and heavy moving loads are dangerous.
- Guards or skirting plates may be necessary if there is a risk of anything being caught in machinery (for example dock levellers or vehicle tail lifts).

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

- There may be other mechanical dangers and safety procedures to be considered.
- Ensure the vehicle or trailer has its brakes applied and all stabilisers are used.
- The vehicle should be as stable as possible.
- In some workplaces it may be possible to install a harness system to protect people working at height.
- Provide a safe place where drivers can wait if they are not involved.
- Drivers should not remain in their cabs if this can be avoided.
- No-one should be in the loading/unloading area if they are not needed.
- Vehicles must never be overloaded.
- Overloaded vehicles can become unstable, difficult to steer or be less able to brake.
- Always check the floor or deck of the loading area before loading to make sure it is safe.
- Look out for debris, broken boarding, etc.
- Loading should allow for safe unloading.
- Loads must be suitably packaged.
- When pallets are used, the driver needs to check that: They are in good condition, Loads are properly secured to them, Loads are safe on the vehicle.
- They may need to be securely attached to make sure they cannot fall off.
- Tailgates and sideboards must be closed when possible.
- If over-hang cannot be avoided, it must be kept to a minimum.
- The over-hanging part of the load must be clearly marked.
- If more than one company is involved, they should agree in advance how loading and unloading will happen.
- For example, if visiting drivers unload their vehicles themselves, they must receive the necessary instructions, equipment and co-operation for safe unloading.
- Arrangements will need to be agreed in advance between the haulier and the recipient.
- Some goods are difficult to secure during transport.
- Hauliers and recipients will need to exchange information about loads in advance so that they can agree safe unloading procedures.
- Checks must be made before unloading to make sure loads have not shifted during transit and are not likely to move or fall when restraints are removed.
- There must be safeguards against drivers accidentally driving away too early.
- This does happen and is extremely dangerous. Measures could include traffic lights, the use of vehicle or trailer restraints.
- The person in charge of loading or unloading could keep hold of the vehicle keys or paperwork until it is safe for the vehicle to be moved.
- These safeguards would be especially effective where there could be communication problems, for example where foreign drivers are involved.

Plant H&S

- Prior to use, all operatives should ensure the correct service information and certification is available including thorough examinations prior to using the plant or equipment.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

- Operatives will visually inspect all plant and equipment before each use to ensure that it is in good working condition and safe operation prior to use and logged in the plant check sheets provided in the site file.
- Any faults found shall be rectified by a competent person before use or taken off site and replaced.
- Operatives must ensure that a fully operational green and amber flashing beacon is always used on all the plant that is used.
- All keys are to be attached to key bungees and removed from plant vehicle when not in use.
- At all times on site due to the proximity of plant, all personnel involved in the operation will wear high visibility clothing.
- All plant will be operated only by authorised and competent individuals holding current and valid training certification.
- A trained Banksman will only be used in circumstances where other control measures are not possible.
- A banksman will supervise plant movements to ensure no other person or plant movements are able to conflict with the operation.

Operation of a 360 Excavator

- The 360 excavators will be used for tasks including but not limited to digging, trenching, lifting, and clearing debris in the designated construction area.
- Site Supervisor to ensure compliance with this method statement and overall safety on site.
- The supervisor must ensure that the operator has proof of competence, which should include SWSG in house training, proof of familiarisation on the Avant wheel loader to be used and adequate experience of the task to be undertaken.
- The supervisor must carry out a 'Setting to Work' briefing before works starts covering the tasks to be carried out, personnel involved, work area, risks, exclusion zones and procedures.
- Operators are to operate the excavator as per training and manufacturer's guidelines and follow safety protocols.
- Safety Officer to monitor compliance with safety standards and conduct regular inspections.
- Pre-Operation Procedures consist of conducting a thorough pre-use inspection of the excavator to check for any mechanical or safety issues, Safety checks to ensure all safety devices are functional, Work area Inspection to check the area for underground utilities, stability of the ground, and any overhead hazards.
- Operational Procedures consist of general operation to follow manufacturer's instructions for startup, operation, and shutdown of the excavator.
- Digging and trenching consists of using the appropriate attachments and techniques as trained.
- Monitor the stability of the trench and use trench boxes if necessary.
- Lifting operations consist of checking the weight of the load against the excavator's rated capacity.
- Use proper rigging techniques and ensure load is secure.
- Environmental Considerations to minimize the impact on surrounding environments by controlling dust, noise, and vibration.
- In case of an emergency be prepared to shut down the excavator immediately.
- Report any accidents or incidents immediately to the site supervisor and follow the site emergency response plan.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

- Operators must have received specific training on the operation of a 360 excavator.
- Public Safety: Implement barriers and signage to ensure the safety of the public around the construction site.

Use of Dumpers

Machine Selection:

- The dumper selected must be suitable for the task and the terrain.
- Considerations include the load type, ground conditions, and travel distances.

Training and Competence:

- All operators must be trained and certified to operate the specific type of dumper being used.
- Familiarization with site-specific risks and the particular model of dumper is required before use.

Pre-Use Checks:

- Inspect the dumper for any defects, particularly focusing on brakes, tires, steering, and safety features like seat belts and ROPS.
- Check fluid levels (fuel, oil, coolant) and ensure that the dumper is fully operational.
- Ensure that the dumper's load capacity is clearly marked and understood.

Loading Operations:

- Ensure the dumper is on stable, level ground before loading.
- The operator must leave the control station during loading and stand in a safe location.
- Do not exceed the maximum load capacity of the dumper.
- Ensure that the load is evenly distributed and does not exceed the sides of the skip.
- The loading machine operator and dumper operator must communicate clearly and use agreed signals to avoid any accidents.

Traveling with a Load:

- Engage the seat belt before moving the dumper.
- Travel at a safe speed, considering the load and terrain.
- Avoid steep slopes or unstable ground that could cause the dumper to tip over.
- Be mindful of other site personnel, equipment, and obstacles.
- Use a banksman, if necessary, especially when reversing.

Unloading Operations:

- Ensure the dumper is on stable, level ground before tipping the load.
- If tipping near an edge or excavation, ensure appropriate edge protection is in place.
- Raise the skip slowly to avoid sudden shifts in the centre of gravity, which could cause instability.
- Ensure all personnel are clear of the tipping area before discharging the load.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

Emergency Procedures:

- In the event of an accident or near miss, the operator must stop the dumper immediately and report the incident to the supervisor.
- If the dumper overturns, the operator should remain in the cab, if equipped, and wait for assistance unless there is an immediate danger (e.g., fire).

Operation of a Dozer

- The dozer will be utilized for site clearing, earth moving, grading, and other tasks as part of the construction project.
- Site Supervisor to ensure compliance with this method statement and overall safety on site.
- The supervisor must ensure that the operator has proof of competence, which should include SWSG in house training, proof of familiarisation on the Avant wheel loader to be used and adequate experience of the task to be undertaken.
- The supervisor must carry out a 'Setting to Work' briefing before works starts covering the tasks to be carried out, personnel involved, work area, risks, exclusion zones and procedures.
- Pre-Operation Procedures consists of Inspection of conducting a detailed pre-use inspection of the dozer to identify any mechanical or safety issues.
- Safety Checks are being completed to verify all safety devices are functional.
- Work area Inspection Survey's in the area for stability, identify any underground utilities, and assess overhead hazards.
- Operational Procedures consists of Adhering to the manufacturer's instructions for starting, operating, and shutting down the dozer.
- Grading and Earth Moving - Employ suitable techniques for grading and earth moving, ensuring to maintain the stability of the dozer on varying terrains.
- Debris Clearing - Use the dozer blade to clear debris efficiently, checking regularly for obstacles and hazardous materials.
- In case of an emergency be prepared to stop the dozer operation immediately if a hazardous situation arises.
- Report any accidents or unusual incidents promptly to the site supervisor and follow the site-specific emergency response procedures.
- Ensure operators have specific training for operating a dozer, for public safety use barriers and signs to secure the work area and safeguard the public and other workers.

Operation of a 140 Roller

- The rollers will be used for compacting soil, gravel, asphalt, and other materials as required by the construction project specifications.
- Site Supervisor to ensure compliance with this method statement and overall safety on site.
- The supervisor must ensure that the operator has proof of competence, which should include SWSG in house training, proof of familiarisation on the Avant wheel loader to be used and adequate experience of the task to be undertaken.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

- The supervisor must carry out a 'Setting to Work' briefing before works starts covering the tasks to be carried out, personnel involved, work area, risks, exclusion zones and procedures.
- Operators to Operate the roller according to training and manufacturer's instructions, adhering to all safety protocols.
- Safety Officer to monitor safety compliance and perform regular safety inspections.
- Pre-Operation Procedures consist of conducting a comprehensive pre-use inspection to identify any mechanical issues or safety concerns.
- Safety checks to ensure all operational controls and safety devices are functioning correctly.
- Work area Inspections to evaluate the compaction site for any potential hazards, stability of the surface, and presence of underground utilities.
- Operational Procedures consists of general Operation to follow the manufacturer's guidelines for starting, operating, and stopping the roller.
- Compaction tasks to use appropriate settings and techniques depending on the material and required compaction density.
- Speed and Direction to maintain appropriate speed and control direction to ensure even and effective compaction.
- In case of an emergency operators must know how to shut down the equipment quickly in an emergency.
- Report any accidents or incidents immediately to the site supervisor and follow the site emergency plan.
- Ensure all operators are trained and competent to operate a roller.
- Public Safety: Secure the work area with appropriate barriers and signage to protect both the public and site workers.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

Use of an Avant Wheel Loader

- The supervisor must ensure that the Avant wheel loader to be used has been maintained and has a current report of thorough examination covering both the machine and attachments.
- The supervisor must ensure that the operator has proof of competence, which should include SWSG in house training, proof of familiarisation on the Avant wheel loader to be used and adequate experience of the task to be undertaken.
- The supervisor must carry out a 'Setting to Work' briefing before works starts covering the tasks to be carried out, personnel involved, work area, risks, exclusion zones and procedures.
- At the start of each shift the operator should carry out the pre-use checks specified in the manufacturer's operating instructions.
- Seat belts must be worn at all times.
- The Avant wheel loaders brake engine must be switched off and brake applied before the operator leaves the cab.
- Before any personnel approach the Avant wheel loader to secure loads etc, the operator must ensure that the Avant wheel loader is made safe (i.e. brake applied, and engine switched off).
- The operator should plan the route and the final destination of the load, making sure that the route is clear of all obstacles, that there are no width or height issues with the load or Avant wheel loader and that the final destination is a safe & suitable place for the load.
- If the route involves travelling or working on slopes, the manufacturer's operator's instructions should be consulted before traversing gradients and across slopes.
- Before lifting the load, the operator should get out and inspect the load.
- Check for warning signs, centre of gravity, loose materials on the load or anything anchoring the load.
- Before lifting the load, the operator should check ground conditions and make sure it is suitable for them to drive.
- Spreader mats should be used if ground conditions, or weight of the load make it necessary to do so.
- The operator should then lift the load approximately 150mm (6 inches) and check the load position, weight and balance.
- The load should then be secured, strapped down or fastened when necessary.
- Before setting off, the load lowered as closed to the ground as possible to increase stability when travelling.
- If the load obscures the operators view when travelling, a banksman should be used.
- A banksman should also be used when reversing.
- Before placing the load in the final position, the operator should check ground conditions.
- If the operator is unable to clear see the loads final position, a qualified slinger / signaller should be used to single the operator when landing the load.
- When lifting operations have been completed, the Avant wheel loader should be stored in a safe place, on level ground where possible, with the handbrake engaged, the boom and fork arms / handling attachment lowered to the ground, the key removed, and the cab locked.
- The key should be attached to a key bungee and stored in a safe placed and not left in the machine.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

- If the operator is unsure of any aspect of the lifting operation they must immediately stop and consult their supervisor.

Control of Noise, Dust and Vibration

- All necessary steps will be taken to reduce noise levels from plant and machinery in accordance with The Noise at Work Regulations.
- Where reasonably practicable, noise levels will be reduced at source to their lowest reasonable level and Personal Protective Equipment must only be employed as a last resort.
- Noise assessments, where considered necessary, will be carried out by the Company Health and Safety Advisor and appropriate measures taken to protect site operatives, residents and the general public from the effects of noise.
- All necessary steps will be taken to reduce vibration levels to be below the current threshold limit of 2.5 m/s² from tools, equipment, plant and machinery.
- Those using tools which vibrate, and which potentially cause ill health will be specifically trained to eliminate or reduce the harmful effects of vibration through good operating techniques and job rotation.
- All necessary precautions will be taken to protect the site operatives and the general public from the effects of the inhalation of respirable dust caused by the works.
- All operations, which create dust, will include a type of dust suppression technique, such as damping down or mechanical dust extraction.
- This applies specially to cutting or grinding operations.
- All operatives will be issued with and required to wear suitable goggles and masks or respirators, wherever this type of work is being carried out.
- Residents will be excluded from work areas where dust arises.
- Area to be thoroughly cleaned on completion.

Protection of Children, Residents, Visitors and members of staff

- All works must be carried out in accordance with the relevant safe systems of work.
- Before work commences additional consideration must be given to the resident's lack of awareness of hazards involved in the work, they're Before setting off, the load lowered as closed to the ground as possible to increase stability when travelling.
- If the load obscures the operators view when travelling, a banksman should be used.
- A banksman should also be used when reversing.
- Before placing the load in the final position, the operator should check ground conditions.
- If the operator is unable to clear see the loads final position, a qualified slinger / signaller should be used to single the operator when landing the load.
- When lifting operations have been completed, the Avant wheel loader should be stored in a safe place, on level ground where possible, with the handbrake engaged, the boom and fork arms / handling attachment lowered to the ground, the key removed, and the cab locked.
- The key should be stored in a safe placed and not left in the machine.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

- If the operator is unsure of any aspect of the lifting operation they must immediately stop and consult their supervisor.

Preparation of the surface

- Operatives are first to remove existing surface (incl batting ends, shock pad layers and timber edges) following the procedure as described
- Operatives are to use hand tools to hand dig around the edges and remove the old carpet by denailing it first from timber edgings.
- Once all nails have been securely removed and separately stored (SHARPS bin), existing carpet is to be removed by rolling it to the position where it can be lifted using mini-loader available on site.
- All operatives using mini loader must be trained and competent.
- Moving the load on site must be done with a banksman.
- Once the carpet has been removed shock pad can also be removed and loaded onto Mini loader following the same procedure.
- Operatives are then to remove the old timber pegs and edgings and install new ones.
- Cricket surface is to be manually regraded, and new aggregate added if needed.
- Surrounding areas to be excavated to full required depth using a mini-excavator and dumper for transport of materials to designated heap
- While moving any new material to the place where it will be installed, mini loader to be used no minimize the manual handling.
- Operatives are then to hand dig to construct new clay boxes for the installation of the wickets following manual handling techniques.
- Treated timber edgings to be used and secured to pegs at 1.2 m centres

3G Conversations

Soil Strip

Spraying Vegetation

- The area will be sprayed (when required) by subcontractors, prior to the carrying out the works competence will be ensured by SWSGL as per our subcontractor arrangements.

Rotavating

- Set out the working area using robotic totalstation or hand measurement where appropriate as previous.
- Install stakes/pegs/steel pins or other visual aids to mark out the pitch areas as previous.
- Any known services within the working area are to be scanned and clearly marked should services be encountered.
- In areas where services are an issue extra care is to be taken during any excavation works.
- The action of hand digging may be necessary where works are in the immediate vicinity.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

- Attach the implement to rear side of the tractor using the 3-point linkage ensuring both the implement and the tractor equipment are on strong and level ground, the PTO is in neutral and parking brake in engaged and guards are in place.
- Lower the implement to a maximum depth of 200mm or to the total depth of the topsoil where practicable.
- Operative must do daily inspection checks (pre-use checks) checking for hydraulic links, rollers in good working order as well as plates and safety features all secure and fastened.
- Track forward at low speed (0.5 – 2mph).
- Continue until coverage of the whole area ensuring no persons are in the close vicinity.
- Once complete; machinery is stopped slowly, implement shutdown followed by tractor shutdown, before exiting of the vehicle.

Soil Removal

- The soil will then be removed using either a track dozer or a 360 excavator, by the following method:-
- Prior to commencing the removal ensure the correct bucket is used and hitched correctly in the bucket changing area, using the quick hitch method making sure no persons are in the area while changing of the bucket is being carried out.
- Set out the working area using robotic total station or hand measurement where appropriate as previous.
- Install stakes/pegs/steel pins or other visual aids to mark out the pitch areas as previous.
- Any known services within the working area are to be scanned and clearly marked should services be encountered.
- In areas where services are an issue extra care is to be taken during any excavation works.
- The action of hand digging may be necessary where works are in the immediate vicinity.
- The excavator will then be tracked on to the soil and removal of the soil will be carried out by digging in to the soil at the relevant depth.
- A trailer will then be attached to the tractor by a competent person, ensuring the hitch is secure prior to using the tractor-trailer.
- Tractor-trailer/dumper is to be positioned in the correct area, where there are no risks of coming in to contact with any plant or equipment
- Once the soil has been collected in the bucket, it will then be loaded on to the tractor trailer/dumper.
- The muck away will then be disposed of at the designated soil heap as per the traffic management plan.
- Care and attention should be taken when reversing and tipping in to the designated area being vigilant of the surrounding areas at all times, ensuring there are no plant or persons in the vicinity while carrying out the manoeuvre.
- A competent driver will operate a 360 excavator and assist in the movement of the muck away levelling and maintaining the correct heights on the pile.

Formation Preparation Light Grading works

- Note: - Prior to any earthworks the existing services information should be provided and checked prior to any works commencing and a permit to dig is in place.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

- Our surveyor/supervisor will set out the working area using robotic total station/laser as required as per the manufacturer's instructions.
- The Install of the stakes/pegs/steel pins to mark out the pitch areas will then be carried out, ensuring the stakes/pegs/pins are secure in the ground using a hammer.
- All stakes/pegs/pins are to be clearly visible and do not present a trip hazard and mushroom caps are to be used to cover protruding sharp edges.
- Any known services within the working area are to be scanned and clearly marked should services be encountered.
- In areas where services are an issue extra care is to be taken during any excavation works.
- The action of hand digging may be necessary where works are in the immediate vicinity.
- Prior to use, all operatives should ensure the correct service information and certification is available including thorough examinations prior to using the plant or equipment.
- Operatives will visually inspect all plant and equipment before each use to ensure that it is in good working condition and safe operation prior to use and logged in the plant check sheets provided in the site file.
- Any faults found shall be rectified by a competent person before use or taken off site and replaced.
- All operatives operating any piece of plant or equipment must be vigilance at all times when travelling to the work area ensuring no contact with pedestrians.
- Establish levels unless established by others prior to works commencing on site, using a laser or total station.
- Works will be carried with a dozer/excavator used by a competent and trained operative.
- Excavator will strip off and load the dumper.
- A dumper may come in to play to assist with the muck away of materials
- Rolling the area will be rolled systematically by a competent operator, travelling the length of the pitch until the levels are achieved levels will be taken once the areas have been trimmed to ensure, we have achieved the correct levels.
- An operative may be needed to assist with the edges using the correct manual handling techniques and landscaping of materials.
- Once the suitable level has been achieved, site operatives are able to commence on with the next procedures.

Cleaning of Tarmacadam Surface

- Inspect the site and identify any hazards.
- Remove any large debris manually before starting the cleaning process. Set up safety barriers and warning signs around the work area.
- Use industrial brooms and brushes to sweep the tarmacadam surface, removing loose dirt and debris.
- Collect and dispose of the swept debris in designated waste containers.
- Dilute the detergent or cleaning agent as per the manufacturer's instructions.
- Apply the cleaning solution evenly across the surface using a low-pressure spray or a suitable applicator.
- Use brooms or brushes to scrub the surface, ensuring the cleaning agent penetrates and loosens embedded dirt and stains.
- Pay extra attention to heavily soiled areas.
- Use a high-pressure washer to rinse the tarmacadam surface thoroughly.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

- Ensure the water pressure is appropriate to avoid damaging the tarmacadam.
- For any remaining stains, use scrapers or repeat the application of cleaning agents and agitation process.
- Rinse the area again with the high-pressure washer.
- Conduct a final rinse of the entire surface to ensure all cleaning agents and residues are removed.
- Allow the surface to dry naturally.
- Collect and dispose of all waste, including dirt, debris, and used cleaning agents, in designated containers.

Drainage Holes in Tarmacadam

This method statement outlines the procedure for creating drainage holes in a tarmacadam surface using a mini digger with a pecker attachment. The holes will then be filled with free-draining stone to ensure effective water runoff.

Preparation

Site Inspection:

- Identify the required locations of drainage holes as per design specifications.
- Check for any underground utilities to avoid accidental damage.
- Use a cable locator or consult utility maps if necessary.

Surface Preparation:

- Mark the positions and diameters of the drainage holes on the tarmacadam surface using chalk or marking spray.
- Ensure the work area is clear of obstacles and safe to operate machinery.

Procedure

Creating the Drainage Hole

- Position the mini digger with the pecker attachment over the marked location.
- Use the pecker attachment to punch through the tarmacadam surface to the required depth, ensuring the hole reaches the subgrade level or as per design requirements.
- Remove any loose material from the hole manually or with the digger bucket.

Filling the Hole with Stone

- Place clean, graded, free-draining stone or aggregate into the punched hole.
- Use a hand tamper or vibrating plate to compact the stone lightly.
- Add more stone in layers, tamping after each layer to ensure proper compaction and stability.
- Repeat the process until the hole is completely filled and level with the surrounding tarmacadam surface.

Final Finishing

- Inspect the surface of the filled hole to ensure it is flush and free from loose material.
- Clean up any spilled stone or debris around the work area.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

Quality Control

- Ensure the holes are created in the correct locations and to the required dimensions.
- Verify that the stone fill is adequately compacted and level with the tarmacadam surface.
- Pour water into the completed hole to confirm proper drainage and infiltration.

Drainage Installation (Excavator)

- Ensure all operatives involved in the operations are competent.
- Conduct regular thorough inspections and daily checks of all plant machinery before the start of works, recorded properly.

Communication and Planning:

- Establish and use clear signals between the operator and machine operative before work starts.
- Approaching the machine is safe only when the bucket is on the ground, signalled by a thumb-up.
- Daily planning of works and movement routes of plant machinery to be established during Start of Shift (SOS) meetings.
- Encourage operatives to immediately report any safety concerns.

Trench Safety:

- Support trenches wherever possible, either by battering the sides or using supports.
- Inspect all excavations daily to ensure stability, planning works in accordance with weather conditions.
- Protect trench edges using barriers and deposit materials away from the edge of the excavation.

Execution:

- Set out main drains, lateral drains, and manhole areas as required according to drawings, ensuring a valid permit is in place before excavations.
- When excavating main and lateral trenches, ground conditions should be assessed, and stability guaranteed regardless of depth (possible methods include sloping, shoring, shielding).
- Deterioration due to weather conditions must be taken in in the consideration.
- Excavation of the drainage trench is to involve 360° operator and a groundworker with a laser staff controlling the levels and giving feedback to 360° operator.
- Excavator to load spoil into an adjacent dumper/tractor and transport to the on-site stockpile.
- Excavator is to lead the operation travelling down the line of the new trench (marked on the ground).
- Groundworker to follow checking the levels, as well as using the shovel to fine level the bottom of the trench, clean the sides of the trench and use excess material to achieve small adjustments to levels.
- Trench excavation crew to assess the condition of the excavation and report any concerns they may come across to the Site Supervisor immediately.
- If groundworker needs to enter the trench, team needs to ascertain ground stability and make sure safe way of access and egress to the trench is made available prior.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

- Drainage works to be planned, so excavation stays open only for a minimum amount of time required for consecutive operations of installing the membrane, drainage pipes and stone.
- That way hazards of the open excavation can be reduced as well as potential deterioration caused by weather effects.
- Hand signals between 360° operator and a groundworker (including thumbs up) to be communicated before the start of the excavation.
- Safe working distance between a 360° operator and a groundworker is to be established by using safety barrier set at a max reach of the excavator.
- Groundworker is to move the barrier and set it out at max reach as excavator moves forward with excavation.
- Groundworker is to always stay behind the barrier while excavation is taking place.
- He can only approach using thumbs up and making sure excavator bucket is on the ground.
- Excavator driver is always to driver with the cabin orientated in the direction of the travel, always turn away from the blind side and make sure not to backtrack.
- Excavator driver is always to driver with the cabin orientated in the direction of the travel, always turn away from the blind side and make sure not to backtrack.
- After excavation of the trench has been achieved to design level and QC have taken place, the operatives can begin to roll the membrane over and inside of the trench.
- The weight of the pipe rolled or moved into position with multi-loader is to press the geotextile into final position with operative manually adjusting the loose end.
- Connecting the membrane must be done following manufacturer's recommendations for overlap and taping (where required).
- Special attentions is required when making connections between lateral and the main drain membrane.
- Following installation of membrane and drainage pipe tractor mounted stone hopper (which shall be loaded using a 360° excavator) is to travel alongside the trench to fill it in with stone up to designed level.
- This operation I followed by installation of geotextile and type 3 stone described in following section.
- Supply and store materials like manhole chamber rings, slabs, drainage coils, and stones in suitable locations.
- Bed the manhole chamber onto concrete, either ready-mix or mixed on site.
- Use an excavator for lifting manhole chamber rings and slabs into place and backfill with previously excavated material.
- Connect all lateral drains to the main drain via the pre-installed junctions and connect the main drain to the newly constructed manhole chamber, using a hole cutter to cut out slots for the pipe.
- Voids to be filled with concrete around the pipe.
- For more details, refer to RA 067 Working in trenches/excavation area.

Primary Drainage and Lateral Drainage

- Conduct a site survey and mark out the drainage layout according to the approved design.
- Ensure all necessary permits and approvals are in place.
- Set up safety barriers and signage around the work area.
- Excavate the trench for the main drain to the specified depth and width, ensuring a consistent gradient for optimal drainage.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

- The trench should be at least 300mm wide and the depth as per design specifications.

Installation of main Drain

- Lay a geotextile membrane at the base of the trench to prevent soil contamination.
- Place the perforated main drain pipe along the centre of the trench.
- Ensure the pipe gradient is consistent for effective drainage using a laser level.
- Secure pipe joints and connections as per manufacturer specifications.
- Infill the trench with clean stone in accordance with the spec above the top of the pipe.
- Compact the stone lightly to ensure stability but avoid crushing the pipe.
- Place a layer of sand above the clean stone to a depth in accordance with the spec, Compact the sand lightly to create a smooth and stable surface.

Installation of Lateral Drains

- Excavate trenches for the lateral drains at the specified intervals and depths.
- Lay geotextile membrane in the lateral trenches.
- Place perforated lateral drain pipes in the trenches, ensuring a consistent gradient.
- Secure lateral connection joints to the main drain as per the design.
- Backfill lateral trenches with clean stone in accordance with the spec.
- Top off with a layer of sand and compact lightly in accordance with the spec.

Installation of Catch pit and Inspection Chambers

- Excavate the area for catch pit and inspection chambers at specified locations.
- Install catch pit and inspection chambers as per manufacturer's instructions.
- Connect the main and lateral drains to the chambers using appropriate fittings.
- Ensure all connections are secure and watertight.
- Backfill around the chambers with clean stone and sand as specified.

Final Inspection and Testing

- Conduct a visual inspection of the entire drainage system.
- Perform a flow test to ensure the system is functioning correctly.
- Ensure all inspection chambers are accessible and properly sealed.
- Use appropriate lifting techniques and equipment to prevent injuries.
- Ensure safe access and egress to the excavation site.

Sub Base Stone Works

- Type 3 sub-base stone will be delivered to site via tipper lorries.
- Stone will be tipped onto the planned working area and pushed/bladed out in layers using CAT/Komatsu dozer.
- A dual-grade laser shall be used to achieve correct levels.
- Operatives will visually inspect all plant and equipment before each use to ensure that it is in good working condition and safe operation prior to use and logged in the plant check sheets provided in the site file.
- Any faults found shall be rectified by a competent person before use or taken off site and replaced.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

- All operatives operating any piece of plant or equipment must be always vigilante when Travelling to the work area ensuring no contact with pedestrians.
- Establish levels unless established by others prior to works commencing on site, using a laser or total station.
- Works will be carried with a dozer/excavator used by a competent and trained operative.
- Geotextile/membrane will be laid to the manufacturer's guidelines.
- The Operatives will have use of Stanley blades to carry out the cutting of the geotextile/membrane.
- Rolling the area will be rolled systematically by a competent operator, travelling the length of the pitch until the levels are achieved levels will be taken once the areas have been trimmed to ensure, we have achieved the correct levels.
- An operative may be needed to assist with the edges using the correct manual handling techniques and landscaping of materials.
- Once the suitable level has been achieved, site operatives are able to commence on with the next procedures.
- The stone layer will move systematically across the site with Lorries being able to run across previously laid stone.
- The stone will be compacted sufficiently using suitable sized tandem roller.
- Once the fencing and perimeter edgings have been installed, the control stone layer can be laid.

Tarmac Base (If Applicable)

- Once the stone layers have been completed, the macadam works can commence.
- The asphalt works shall be undertaken by a competent sub-contractor, using a laser guided asphalt paver, their RA/MS shall be provided separately.

Hand Laying of New Base Tarmacadam Course (If Applicable)

Preliminary Preparation

- Review the site plan to confirm the area requiring resurfacing.
- Ensure all permits and approvals are in place prior to commencement.
- Mark out the work area using cones, signage, or barriers to restrict access.
- Ensure the working area and delivery path are clear of obstacles.

Delivery and Handling of Tarmacadam

- Tarmacadam to be delivered in insulated HGVs to retain working temperature.
- An Avant loader will be used to transport hot tarmacadam from the HGV to the court area in manageable loads.
- Ensure the Avant has a safe, stable route from the delivery point to the laying area.
- Coordinate with the HGV driver and site team to ensure efficient and safe material handling.

Hand-Laying of Base Course

- Tip the base course tarmacadam in designated laying areas.
- Spread and level the material using hand tools such as asphalt rakes and lutes.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

- Maintain the correct thickness and falls as per the design specifications.
- Compact the base course using a roller or plate compactor, ensuring proper bonding and a smooth finish.
- Allow the base to cool sufficiently before applying the surface course.

Final Checks and Cleanup

- Inspect the completed surfacing for level, compaction, and finish quality.
- Remove all surplus materials, tools, and equipment from the site.
- Take down barriers and reopen the area once cooled and safe for access.
- Dispose of any waste in accordance with site environmental procedures.

Installation of New Twin Mesh Fencing

This method statement outlines the procedure for the installation of Twin Mesh fencing, including fence posts, a double access gate, and a single access gate. The works will be carried out in accordance with relevant specifications and site requirements.

Responsibilities

Site Supervisor

Oversee the installation, ensuring compliance with design specifications, safety standards, and quality control procedures.

Installation Team

Execute the fencing and gate installation in accordance with this method statement.

Site Preparation

- Conduct a detailed site survey to identify and mark the positions for fencing and gates.
- Confirm all dimensions and alignments against approved project drawings.
- Ensure all required materials, tools, and equipment are available on-site.
- Erect temporary barriers or safety signage where necessary to maintain site safety during works.

Installation Process

Post Installation

- Excavate holes for fence posts to the specified depth and diameter.
- Accurately position posts, maintaining correct alignment and spacing.
- Secure posts with concrete, ensuring they are plumb and level.
- Allow concrete to cure as per manufacturer recommendations before attaching fencing panels.

Twin Mesh Fence Panel Installation

- Fix Twin Mesh fence panels to the installed posts using appropriate brackets and anti-vandal fixings.
- Ensure each panel is aligned correctly and securely fastened before proceeding to the next.
- Continue panel installation progressively to maintain consistent quality and alignment.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

Gate Post Installation

- Excavate foundation holes for both double and single access gate posts.
- Accurately set posts with correct spacing and alignment.
- Fix gate posts in position using concrete and allow sufficient curing time.

Gate Hanging & Fixing

- Hang gate leaves on hinges and verify smooth movement.
- Install all locking and latching mechanisms.
- Carry out alignment adjustments to ensure gates operate freely and close securely.
- Secure gates in the closed position at the end of each workday to maintain site security.

Inspection & Final Adjustments

- Inspect all fencing panels and gates to confirm they are securely fixed.
- Test gates for proper opening, closing, and locking function.
- Verify all fixings are tight and correctly positioned.
- Remove all waste materials and tidy the site on completion.

Quality Control

- Ensure all posts and panels are correctly aligned and spaced.
- Check that each section of fencing is securely installed before proceeding.
- Inspect gate functionality and ensure all locking systems are operational.
- Complete a final inspection before handover to confirm full compliance with project specifications.

Floodlighting Civils

- (Note: Column installation and connections shall be undertaken by a competent sub-contractor, their RA/MS shall be supplied separately)
- Set out floodlight bases and ducting trench areas as required.
- Allow to excavate all ducting trenches, using 360o excavator.
- Spoil is placed adjacent.
- Supply to site ducting pipework via flatbed lorries.
- Lay ducting pipework on 50mm layer of stone dust bedding.
- Backfill trench with stone dust 250mm above the ducting pipe and roll out Electric Warning Marker Tape on top.
- Backfill trench to the surface with previously excavated soil placed adjacent.
- Excavate floodlight base positions using 360o excavator, arisings set aside for reuse and/or landscaping.
- Erect timber shuttering to the correct size of the bases (to be agreed) and set at correct levels.
- Deliver to site suitable ready-mix concrete via concrete mixer lorries, to be guided through the site by a banksman.
- Concrete to be suitable wet slump for ease of pour.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

- Mixer lorries shall be guided to each floodlight base excavation and shall pour the concrete directly into the excavation to the required finish level.
- Concrete shall be left to 'go off' and then the timber shutters removed.

Installation of Detox Grid with Road Plate Protection

- This method statement outlines the procedure for the safe installation of a detox grid and its protection using road plates during construction activities.

Responsibilities

- Site Supervisor: Ensure all activities are carried out as per the method statement and safety regulations.
- Operatives: Carry out the work in accordance with this method statement and follow the safety guidelines.

Pre-Installation

Site Survey and Marking:

- Survey the designated location for grid installation.
- Mark the area using spray paint or markers.
- Ensure the work zone is properly cordoned off to restrict unauthorized access.

Safety Preparation:

- Install traffic management, including cones and signage, if near roads or pedestrian areas.
- Ensure all personnel are wearing appropriate PPE.

Excavation:

- Excavate the area where the detox grid is to be installed, ensuring it is at the required depth and dimensions.
- Ensure the excavation is free from debris or other obstructions.
- Use appropriate support for excavation to prevent collapse.

Detox Grid Installation

Base Preparation:

- Level and compact the base where the grid will sit.
- If required, add a layer of concrete or gravel to ensure a stable base.

Grid Placement:

- Lift the detox grid into position using a crane or appropriate lifting equipment.
- Carefully lower the grid into the prepared excavation, ensuring it is level and aligned.
- Check that the grid is securely placed and does not shift.

Anchoring:

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

- Fix the detox grid securely to prevent movement during operation, as per the manufacturer's instructions.

Health & Safety

- Ensure all operatives wear full PPE during excavation and grid installation.
- Use banksmen to guide machinery, particularly when lifting heavy equipment such as grids.
- Use only certified lifting equipment for heavy loads.
- Maintain safe working distances when operating machinery.
- Implement a traffic management plan if working near active roads.

Environmental Considerations

- Avoid unnecessary disturbance of nearby areas.
- Properly dispose of any excavation material according to local regulations.
- Ensure no contaminants are introduced into the grid or surrounding area during installation.

Quality Control

- Inspect the detox grid installation to ensure it is correctly aligned and securely anchored.
- Conduct a final inspection of the installation to confirm compliance with design and safety specifications.

Prefabricated Underlay (If Applicable)

- Supply to site prefabricated underlay and unload it in a safe manner following manual handling and using mini-loader where possible.
- Rolls of underlay will be unrolled and manually adjusted in position Sections of underlay will require cutting to size using Stanley blades where necessary.
- Underlay is to be tensioned and secured in position

Installing an Insitu Rubber Shock pad (If Applicable)

Site Preparation:

- Inspect the site and identify any hazards.
- Ensure the substrate is clean, dry, and free from any contaminants or debris.
- Set up safety barriers and warning signs around the work area.
- Mixing and Laying the Rubber Shock pad:

Preparation of Materials:

- Measure the required quantities of rubber granules and binder according to the manufacturer's instructions.
- Ensure the mixing equipment is clean and ready for use.

Mixing:

- Add the rubber granules and binder to the forced action mixer.
- Mix the materials thoroughly until an even consistency is achieved.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

- Follow the manufacturer's guidelines for mixing time and ratios.

Laying the Shock pad:

- Pour the mixed rubber compound onto the prepared substrate.
- Use trowels and screeding tools to spread and level the compound to the desired thickness.
- Ensure a uniform surface with no gaps or uneven areas.

Compacting:

- Use a roller or tamping tool to compact the rubber shock pad, ensuring it is firmly in place and any air pockets are removed.

Curing:

- Allow the rubber shock pad to cure as per the manufacturer's instructions.
- Ensure the area is protected from any foot traffic, weather conditions, or contaminants during the curing process.

Inspection:

- Once the shock pad has cured, inspect the surface for any defects or irregularities.
- Address any issues promptly to ensure the quality and integrity of the shock pad

Artificial Carpet Installation

- Carpets shall be unloaded using an Avant wheeled loader via the fork attachment; they shall then be positioned systematically along the length of one side of the area.
- The carpets shall then be rolled out the width of the area either by operatives
- Carpets will then be pulled into place by the operatives and each joint will be trimmed in using a slide knife.
- Carpet to be installed by first securely nailing the carpet in at one end.
- The second end is to be trapped and nailed in by using two timber boards.
- Carpet is then to be put into tension by using the steel wire that is securely fixed around timber boards and then stretched adequately using mini loader.
- All the operatives to keep the secure distance from the steel wire while the stretching action occurs.
- Once the carpet is in its final position and adequately stretched, the Mini loader is to be turned off.
- The second end can now be nailed into position.
- After carpet is nailed, all the equipment used for stretching can now be removed, and surplus of the carpet cut using hand-knives and adequate PPE (cut gloves type 5)
- The surround carpets shall then be rolled out the width of the area either by 2-6 operatives or mechanically using a tractor and custom carpet roller
- Carpets will then be pulled into place by the operatives and each joint will be trimmed in using a slide knife.
- Ensuring the correct distances/gaps are within tolerance between the carpets.
- Carpet shall be glued together using a two-part glue system laid on to either a 300mm or 400mm carrier strip which is spread evenly by using a specialist glue box by SWSGL own in house team.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

- The glue will be mixed by a vitrex paddle mixer powered by a 110v generator.
- The glue box will be pulled manually through each joint, leaving the tape and an even layer of glue on each joint, the joints are then rolled using a weighted roller pulled by hand

3G Infill - Sand & Rubber

- Specialist sports infill sand is to be supplied to site.
- Depending on quantities sand will arrive on site either via an articulated tanker or in 1 ton bags on an articulated lorry.
- Deliveries to follow TMP & restrictions.
- Sand will be either pumped into a specialist container via the tanker or off loaded from the lorry using a telehandler/Avant with forks.
- A banksman will then assist the telehandler/Avant driver from the ground to secure the load using the lifting points provided on the bags.
- If the sand has been stored in a container it will then be transported to the spreader and lifted into the spreader using an Avant with loading bucket.
- If the sand has been delivered in 1 ton bags the bags will be transported from the storage area and lifted into the spreader using telehandler/Avant with forks.
- The bags will then be cut open using a Stanley knife and allowed to pour directly into the spreader.
- The sand will then be spread evenly over the area to the correct depths via the tractor and spreader.
- Another tractor fitted with a specialist brush will then be used to even out the sand prior to the rubber infill.
- Areas that are not accessible to the tractor and spreader and tractor and brush will then need to be infilled by hand.
- This will involve shovelling the sand from an Avant loader and spreading manually, it is then raked to the correct depths prior to rubber infill.
- SBR rubber crumb infill shall be delivered to site in 1 tonne bulk bags and loaded into a tractor towed hopper using the Avant and spread evenly over the whole area using a specialist hopper.
- Rubber shall then be brushed into the surface using a mini tractor with tow behind brush.
- Final drag brush of the Third Generation pitch to complete the surface construction.

Installation of Equipment

- The equipment to be installed includes: 1x Full-size self-weighted aluminium soccer goals complete with nets, 2x Self weighted aluminium soccer goals complete with nets.
- Prior to commencing works all operatives should ensure they make themselves familiar with the instructions and also ensure they have the correct tool for the task.
- The equipment will arrive via an articulated vehicle following the designated transport routes and guided by a banksman to the area of works.
- Where possible the equipment will be assembled in the area of install, where this is not possible, operatives will erect the equipment and move to the location of install using mechanical aids.
- The equipment required for the job will be assembled at ground level, in a suitable using hand tools and will be overseen by the contract's manager.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

- The equipment will be assembled according to the manufacturer’s recommendations, instructions.
- This information will be in the site file for reference and all operatives should make themselves familiar with the process prior to commencing any installation works.
- Where necessary lone working should be avoided.



SUMMERLEAZE ACRES . MAGOR, MONMOUTHSHIRE, NP26 3DE

Telephone: 01633 880493/Fax: 01633 880001

www.southwalessportsgrounds.co.uk

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENTS

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

FIRE RISKS ON SITE

RA 002

Page 1 of 2

LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High

Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)

SIGNIFICANT HAZARDS IDENTIFIED:

Give a brief description of what could be reasonably expected to cause significant harm and how that harm may arise.

RISK ASSESSMENT

UNCONTROLLED

CONTROLLED

	<i>L</i>	<i>S</i>	<i>RR</i>	<i>L</i>	<i>S</i>	<i>RR</i>
Hot work – welding, cutting, burning	3	3	9	1	3	3
Presence of combustible materials in the work area	2	3	6	1	3	3
Persons smoking (discarded cigarette)	2	3	6	1	3	3
Activities which create sparks – grinding, disc cutting	2	3	6	1	3	3
Activities Involving Plant & Equipment:	2	3	6	1	3	3
Electrical faults – mains installations	3	3	6	1	3	3

PERSONS AT RISK	Y/N	DETAIL
Employees	Y	All site staff to be inducted
Contractors	Y	Subcontractors informed of requirements at site induction
Members of the Public	Y	Site to be secured with security fencing
Others	Y	All visitors to report to site foreman

CONTROL MEASURES

Hot work – Welding, cutting and burning: -	Refer to the arrangements and safe systems of work laid down in the company safety manual. Adequate means of escape and access for emergency vehicles must always be maintained. Records must be kept of all routine fire inspections and the maintenance & testing of firefighting equipment. Emergency exit routes to be established, provided with clear signs and kept free of obstruction. Consider permit-to-work system for hot work. Hot work to be stopped at least one hour before end of shift and workplace to be inspected at end of shift.
--	--

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

RA 002

FIRE RISKS ON SITE

Page 2 of 2

Presence of combustible Materials in the work Area:	When planning work, make provision for fire detection, supply & maintenance of firefighting equipment, control of hot work, emergency procedures, control of smoking and prevention of the build-up of flammable waste. Quantities of highly flammable liquids and LPG within or near work areas must be restricted. Suitable storage facilities must be provided.
Activities which create sparks grinding & Disk Cutting:	Refer to the arrangements and/or safe systems of work for the particular activity, laid down in the company safety manual.
Activities Involving Plant & Equipment:	Regular inspections must be carried out on all plant and equipment. Fire extinguishers must be situated nearby area of works in case of emergency.
Persons smoking (discarded cigarette)	Smoking is prohibited everywhere on site other than the designated smoking zone, which is located in an area away from area of works and fuel sources. Cigarettes are to be disposed of in the sand bucket provided.
Electrical faults – mains installations	Only 110v electrical equipment is allowed to be used on site. All 240v are prohibited. All electrical tools/appliances should be PAT tested by a competent person.

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected

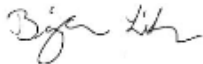
														
✓	✓	✓	✓	✓										

MONITORING ARRANGEMENTS:

Management to ensure compliance with this assessment. Ensure that operators are operating in a safe manner. Ensure that PAT inspections are being performed on all portable electrical equipment

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment. **Remember:** Always check in your safety manual for Company safety procedures and systems of work.

ASSESSOR	SIGNED	CREATED: 2019
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator		LAST REVIEW: 10/08/2022

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT				RA 003				
USE OF WASTE BINS/SKIPS				Page 1 of 2				
LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)								
SIGNIFICANT HAZARDS IDENTIFIED: Give a <u>brief</u> description of what could be reasonably expected to cause significant harm and how that harm may arise.			RISK ASSESSMENT					
			UNCONTROLLED			CONTROLLED		
			L	S	RR	L	S	RR
Fire			2	2	4	1	2	2
Manual Handling injuries lifting waste in o skips			2	2	4	1	2	2
Hazards associated with the delivery and removal of the skips			2	2	6	1	2	2
Traffic Accidents			2	3	6	1	2	2
Bacterial Infection			2	3	6	1	3	3
Lifting equipment			2	3	6	1	3	3
PERSONS AT RISK	Y/N	DETAIL						
Employees	Y	All site staff to be inducted						
Contractors	Y	Subcontractors informed of requirements at site induction						
Members of the Public	Y	Site to be secured with security fencing						
Others	Y	All visitors to report to site foreman						
CONTROL MEASURES								
Fire – Placing hot materials into the skip or leaving it accessible to others: -		Fires must not be deliberately started in skips. If significant amounts of combustible materials are to be disposed of, consider using a covered skip.						
Manual Handling Injuries: -		If manual tipping of waste into skips is necessary, a safe means of access must be provided (at least 600mm wide, with guardrails provided).						
Hazards associated with delivery and removal of skips: -		Skips must, where practicable, be sited on firm, level ground. A responsible person must be designated to ensure the correct completion of waste transfer documentation.						

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

USE OF WASTE BINS/SKIPS

RA 003

Page 2 of 2

Traffic Accidents:	Wherever possible, skips should be sited in secure areas away from public access. If skips are sited on the highway, suitable signs and lights must be provided. Lights should be vandal- protected.
Bacterial Infection:	Ensure skips are removed as soon as practicable after they become full. Skips used for any substance which may attract vermin must be emptied regularly and before significant decomposition of foodstuffs etc. takes place.
Dust:	Do not overfill skips but only load according to the skip hire company's recommendations. When used with debris chutes, skips must be covered to prevent materials and dust escaping. Where chutes are near areas of public access, they must be barriered off and a watchman posted.

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected

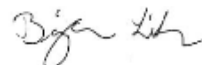
															
✓	✓	✓	✓	✓											

MONITORING ARRANGEMENTS:

Management to ensure compliance with this assessment
 Safety advisor to check compliance during monitoring visits
 Ensure that operators are operating in a safe manner
 Ensure that PAT inspections are being performed on all portable electrical equipment

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment. **Remember:** Always check in your safety manual for Company safety procedures and systems of work.

ASSESOR	SIGNED	CREATED: 2019
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator		LAST REVIEW: 01/03/2022

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT				RA 004				
USE OF POWERED MIXERS				Page 1 of 2				
LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)								
SIGNIFICANT HAZARDS IDENTIFIED: Give a <u>brief</u> description of what could be reasonably expected to cause significant harm and how that harm may arise.			RISK ASSESSMENT					
			UNCONTROLLED			CONTROLLED		
			L	S	RR	L	S	RR
Mixer Falling Over, When in Operation			3	2	6	1	2	2
Injury from Moving Parts			2	3	6	1	3	3
Exposure to hazardous Substances			2	3	6	1	3	3
Injury as a result of a mechanical/electrical fault			2	2	4	1	2	2
Manual handling			2	2	4	1	2	2
Inhalation of Silica Dust from cement			3	3	9	1	3	3
PERSONS AT RISK	Y/N	DETAIL						
Employees	Y	All site staff to be inducted						
Contractors	Y	Subcontractors informed of requirements at site induction						
Members of the Public	Y	Site to be secured with security fencing						
CONTROL MEASURES								
Mixer Falling Over, when in Operation: -		Ensure that the mixer is set on stable and level ground, to ensure there is no risk of toppling over.						
Injury From Moving Parts: -		Ensure all mixer operatives are competent and capable. Ensure that hands and arms are kept out of the mixer at all times.						
Mixer Falling Over, when in Operation: -		Ensure that the mixer is set on stable and level ground, to ensure there is no risk of toppling over.						

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

USE OF POWERED MIXER

RA 004

Page 2 of 2

Exposure to Hazardous Substances: -	Suitable PPE shall be worn, in the form of suitable eye protection, protective gloves and FFP3 dust masks as a minimum. The mixer shall be washed out using water. The slurry shall be tipped straight into the Avant bucket and disposed of in the designated concrete washout area.
Injury As a result of mechanical/electrical fault: -	Visually inspect the mixer before every use. Report any defects to SWSG site supervisor/management. Ensure that all machine guards are in place. Fire extinguisher and spill kit shall be kept within a cabin in proximity to the works.
Manual handling: -	An Avant shall be used to transport bags of cement adjacent to the mixing area, to reduce manual handling.
Inhalation of silica dust: -	The mixer shall be located in a suitable position to ensure that the wind is flowing away from the operative.

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected

														
✓	✓	✓	✓	✓										

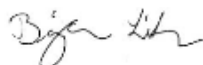
MONITORING ARRANGEMENTS:

Management to ensure compliance with this assessment. Safety advisor to check compliance during monitoring visits.

Ensure that operators are operating in a safe manner. Ensure that PAT inspections are being performed on all portable electrical equipment

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment. **Remember:** Always check in your safety manual for Company safety procedures and systems of work.

ASSESSOR	SIGNED	CREATED: 2019
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator		LAST REVIEW: 01/03/2022

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT				RA 006					
MATERIAL STORAGE				Page 1 of 2					
LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)									
SIGNIFICANT HAZARDS IDENTIFIED: Give a <u>brief</u> description of what could be reasonably expected to cause significant harm and how that harm may arise.				RISK ASSESSMENT					
				UNCONTROLLED			CONTROLLED		
				L	S	RR	L	S	RR
Injuries to persons caused by incorrectly stored materials falling from height				2	3	6	1	3	3
Musculoskeletal injuries caused by incorrect lifting and handling				2	2	4	1	2	2
Working with in a proximity of mechanical lifting and handling machinery				2	3	6	1	3	3
Incorrectly stored materials re: COSHH				3	2	6	1	2	2
PERSONS AT RISK	Y/N	DETAIL							
Employees	Y	All site staff to be inducted							
Contractors	Y	Subcontractors informed of requirements at site induction							
Members of the Public	Y	Site to be secured with security fencing							
Others	Y	All visitors to report to site foreman							
CONTROL MEASURES									
Injuries to persons caused by incorrectly stored materials falling from height: -		Ensure that minimum quantities of materials are ordered in line with work programme, thus reducing quantities stored. Ensure that storage areas are level. Palletised loads should not be stacked more than two high unless otherwise indicated. Use chocks or other devices to ensure that cylindrical objects cannot roll. Ensure that adequate access to above and below ground storage areas is provided.							
Musculoskeletal injuries caused by incorrect lifting and handling: -		Manual handling training has been provided in-house to all SWSG operatives. Use mechanical means wherever reasonably practicable.							

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

MATERIAL STORAGE

RA 006

Page 2 of 2

Working with and in the proximity of mechanical lifting: -	Segregate pedestrian and traffic routes wherever practicable. In restricted spaces, consider whether proper use is being made of audible and visible warnings and high-visibility clothing.
Incorrectly stored materials re: COSHH e.g. temperature/humidity: -	Secure storage must be provided for hazardous substances. Follow manufacturer's recommendations with respect to temperature, humidity and stacking requirements. For hazardous substances, see COSHH assessments/Material Safety Data Sheets or prepare new. All containers must be clearly marked with their contents.

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected

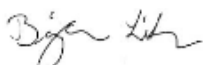
														
✓	✓	✓	✓	✓										

MONITORING ARRANGEMENTS:

Management to ensure compliance with this assessment
 Safety advisor to check compliance during monitoring visits
 Ensure that operators are operating in a safe manner
 Ensure that PAT inspections are being performed on all portable electrical equipment

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment. **Remember:** Always check in your safety manual for Company safety procedures and systems of work.

ASSESOR	SIGNED	CREATED: 2019
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator		LAST REVIEW: 01/03/2022

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT					RA 007			
HIGHLY FLAMMMABLE LIQUID (HFL) – USE AND STORAGE					Page 1 of 2			
LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)								
SIGNIFICANT HAZARDS IDENTIFIED: Give a <u>brief</u> description of what could be reasonably expected to cause significant harm and how that harm may arise.			RISK ASSESSMENT					
			UNCONTROLLED			CONTROLLED		
			L	S	RR	L	S	RR
Fire			2	3	6	1	3	3
Explosion			2	3	6	1	3	3
Asphyxiation from Fumes			2	3	6	1	3	3
Environmental contamination			2	2	3	1	2	2
PERSONS AT RISK	Y/N	DETAIL						
Employees	Y	All site staff to be inducted						
Contractors	Y	Subcontractors informed of requirements at site induction						
Members of the Public	Y	Site to be secured with security fencing						
CONTROL MEASURES								
Fire:-		Before using HFL, consider whether it can be substituted with non-flammable liquids or those with flash points above 55°C.HFL must be stored well away from other flammable substances and oxidising agents. A permit to work system is recommended for all work involving HFL. All plant and equipment used for the handling of HFL must be electronically bonded, including measures to prevent the build-up of static electricity. Dispensing points must be fitted with quick action (non-automatic) shut off valves fitted with flame arrestors. FL with very low flashpoints must be shielded from heat sources A suitable fire-resistant storage area must be provided. It must be adequately signed.						
Explosion: -		Ensure that only minimum amounts of HFL are stored.						

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

RA 007

HIGHLY FLAMMABLE LIQUID (HFL) – USE AND STORAGE

Page 2 of 2

Asphyxiation from fumes: -	Obtain manufacturer's Hazard Data Sheet – prepare COSHH Assessment.
Environmental Contamination: -	Wherever practicable, do not stack drums, but if necessary stack to a height not exceeding 2m. Avoid contamination of watercourses.

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected

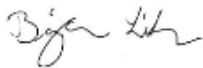
														
✓	✓	✓	✓	✓										

MONITORING ARRANGEMENTS:

Management to ensure compliance with this assessment
 Safety advisor to check compliance during monitoring visits
 Ensure that operators are operating in a safe manner
 Ensure that PAT inspections are being performed on all portable electrical equipment

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment. **Remember:** Always check in your safety manual for Company safety procedures and systems of work.

ASSESOR	SIGNED	CREATED: 2019
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator		LAST REVIEW: 01/03/2022

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT				RA 008			
SAFE USE OF ABRASIVE WHEELS				Page 1 of 2			
LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)							
SIGNIFICANT HAZARDS IDENTIFIED: Give a brief description of what could be reasonably expected to cause significant harm and how that harm may arise.		RISK ASSESSMENT					
		UNCONTROLLED			CONTROLLED		
		L	S	RR	L	S	RR
Particles from workpiece and/ or abrasive wheels entering the eyes causing injury		3	3	9	1	3	3
Body contact with abrasive wheel- severe lacerations or amputation		3	3	9	1	3	3
Bursting wheels- multiple injuries		2	2	4	1	2	2
Fire -Caused by creation of heat/and or sparks		2	2	3	1	2	2
Fumes – petrol fumes from fuel and carbon monoxide from exhaust		2	3	6	1	3	3
Electric shock from electrical machines (and HT lead on petrol machines)		2	2	4	1	2	2
Hand Arm Vibration Syndrome (HAVS) injury caused by prolonged use		2	2	4	1	2	2
Hearing Damage from excessive exposure to noise		3	2	6	1	2	2
PERSONS AT RISK	Y/N	DETAIL					
Employees	Y	All site staff to be inducted					
Contractors	Y	Subcontractors informed of requirements at site induction					
Members of the Public	Y	Site to be secured with security fencing					
CONTROL MEASURES							
Particles from workpiece and/or abrasive wheel entering the eyes, causing injury or blindness: -		The material being cut must be adequately secured to prevent displacement. Certain machines, i.e. Chop Saw, must have an adjustable clamp fitted – this must be in working order. Do not use wheels or discs which are chipped or damaged.					
Body Contact with abrasive wheel-severe lacerations or amputations: -		All guards must be in place. The guard should cover the whole wheel or disc except for that part necessarily exposed to do the work. Eye protection (goggles) must be worn. Certain machines will have an automatic guard covering the abrasive wheel – where fitted, this must be maintained.					

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

RA 008

SAFE USE OF ABRASIVE WHEELS

Page 2 of 2

Bursting Wheels- Multiple Injuries: -	No person may mount an abrasive wheel onto a spindle unless properly trained and certificated. Abrasive wheels must be stored flat in a dry location, not more than 30 deep. Do not hang on nails/hooks. All work equipment must be inspected weekly and thoroughly examined at least every 12 months. Written records should be maintained.
Fire:-	Ensure sparks do not ignite any combustible material or flammable substance in the work area.
Fumes:-	Do not refuel petrol machines at the workplace – take the machine to a remote, safe fuelling point.

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected

														
✓	✓	✓	✓	✓										

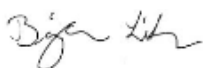
MONITORING ARRANGEMENTS:

Management to ensure compliance with this assessment. Safety advisor to check compliance during monitoring visits.

Ensure that operators are operating in a safe manner. Ensure that PAT inspections are being performed on all portable electrical equipment.

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment. **Remember:** Always check in your safety manual for Company safety procedures and systems of work.

ASSESOR	SIGNED	CREATED: 2019
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator		LAST REVIEW: 01/03/2022

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

USE OF HAND TOOLS

RA 009

Page 1 of 2

LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High

Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)

SIGNIFICANT HAZARDS IDENTIFIED:

Give a brief description of what could be reasonably expected to cause significant harm and how that harm may arise.

RISK ASSESSMENT

UNCONTROLLED

CONTROLLED

	<i>L</i>	<i>S</i>	<i>RR</i>	<i>L</i>	<i>S</i>	<i>RR</i>
Injury to Hands, feet and body from contact with tool of workpiece	2	2	4	1	2	2
Injuries to eyes caused by flying particles	2	3	6	1	3	3
Sprains and Strains caused by using hand tools incorrectly	2	2	4	1	2	2
Injury caused by tripping over tools(Poor Housekeeping)	2	2	4	1	2	2
Tool Misuse	2	2	4	1	2	2
Fire – Sparks Caused from tool misuse	2	3	6	1	3	3

PERSONS AT RISK	Y/N	DETAIL
Employees	Y	All site staff to be inducted
Contractors	Y	Subcontractors informed of requirements at site induction.
Members of the Public	Y	Site to be secured with security fencing.

CONTROL MEASURES

Hand/ Body Injuries	Open-bladed knives, screwdrivers and other sharp tools must not be carried in pockets or in any manner which could cause injury to the user or others. Only operatives competent with proper use of each specific tool to use the tool.
Eye Injuries	Eye protection MUST be used whenever work is carried out using cold chisels or any other tools where there is a risk of flying particles.
Sprains & Strains	Repetitive motions continuing for prolonged periods of time are to be avoided with regular breaks. Where possible, mechanical tools are to be used to save manual handling activities.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

USE OF HAND TOOLS

RA 009

Page 2 of 2

CONTROL MEASURES: (Review at workplace & add any additional specific controls required)

Slips, Trips, Falls (Housekeeping)	Operatives must carry out visual checks of hand tools before their first use each day. Damaged or dangerous tools must not be used. Tools must not be left lying about but returned to storage after use.
Tool Misuse	Ensure that hand tools are not used for any other than their intended purpose, e.g. do not use a screwdriver as a chisel. Sharpening is a skilled task and must only be carried out by trained and authorised persons. Common faults which must be checked for include: - mushroomed heads on chisels - loose and damaged hammer and file handles - splayed jaws on open-ended spanners - Periodic thorough examinations are recommended, with records kept.

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected

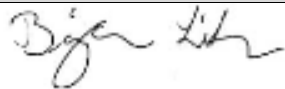
														
✓	✓	✓	✓	✓										

MONITORING ARRANGEMENTS:

Ensure that operators are operating in a safe manner. Management to ensure compliance with this assessment. Ensure that PAT inspections are being performed on all portable electrical equipment.

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment. **Remember:** Always check in your safety manual for Company safety procedures and systems of work.

ASSESOR	SIGNED	CREATED: 2019
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator		LAST REVIEW: 01/03/2022

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT				RA 010			
USE OF UTILITY KNIVES				Page 1 of 2			
LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)							
SIGNIFICANT HAZARDS IDENTIFIED: Give a <u>brief</u> description of what could be reasonably expected to cause significant harm and how that harm may arise.		RISK ASSESSMENT					
		UNCONTROLLED			CONTROLLED		
		L	S	RR	L	S	RR
Injuries to eyes caused by flying particles		2	3	6	1	3	3
Laceration to hands and body from contact with blade		3	3	9	1	3	3
Puncture wounds to body from contact with blade		2	3	6	1	3	3
Trips and Falls caused by bad housekeeping		3	2	6	1	3	3
PERSONS AT RISK	Y/N	DETAIL					
Employees	Y	All site staff to be inducted					
Contractors	Y	Subcontractors informed of requirements at site induction					
Members of the Public	Y	Site to be secured with security fencing					
Others	Y	All visitors to report to site foreman					
CONTROL MEASURES							
Injuries to eyes caused by flying particles: -		Ensure that knife is appropriate for the task and is not used for anything other than it's intended purpose, e.g. do not use a knife to pry loose objects. All knives must be inspected by foreman for defects and to ensure correct blade is used prior to works commencing. Always follow manufacturer's instructions when changing blades. Always dispose of dull or broken blades in a proof container. Eye protection should be worn to prevent the risk of flying particles.					
Lacerations to hands and body from contact with blade: -		Gloves must always be worn. Never use dull blades, dull blades require more pressure to be applied, increasing the risk of injury. Always draw knife away from body and NEVER towards the body. Keep extremities out of the cutting path.					

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

USE OF UTILITY KNIVES

RA 010

Page 2 of 2

Puncture Wounds to body from contact with Blade: -	All knives to have retractable blades and should be carried in sheath when not in use. Knives should be stored away in suitable location when not in use and NEVER left lying around.
Trips and falls caused by bad housekeeping: -	Store blades in their sheaths and ideally safely in a toolbox / kit.DO NOT leave knives lying around.

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected

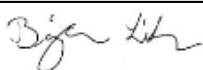
														
✓	✓	✓	✓	✓										

MONITORING ARRANGEMENTS:

Management to ensure compliance with this assessment
 Safety advisor to check compliance during monitoring visits
 Ensure that operators are operating in a safe manner
 Ensure that PAT inspections are being performed on all portable electrical equipment

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment. **Remember:** Always check in your safety manual for Company safety procedures and systems of work.

ASSESSOR	SIGNED	CREATED: 2019
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator		LAST REVIEW: 01/03/2022

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT					RA 011			
USE OF LASER LEVELLING EQUIPMENT					Page 1 of 2			
LEGEND: <i>Likelihood and Severity :- 1=Low 2=Medium 3=High</i> <i>Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)</i>								
SIGNIFICANT HAZARDS IDENTIFIED: Give a <u>brief</u> description of what could be reasonably expected to cause significant harm and how that harm may arise.			RISK ASSESSMENT					
			UNCONTROLLED			CONTROLLED		
			L	S	RR	L	S	RR
Injuries to eyes caused by flying particles			2	3	6	1	3	3
Damage to skin(Burns)			2	2	4	1	2	2
Foot Injuries-Toppling Tripods			2	3	6	1	3	3
PERSONS AT RISK		Y/N	DETAIL					
Employees		Y	All site staff to be inducted					
Contractors		Y	Subcontractors informed of requirements at site induction					
Members of the Public		Y	Site to be secured with security fencing					
CONTROL MEASURES								
Injuries to Eyes: -		Wherever practicable, use class 1 or class 2 lasers. If using lasers more powerful than class 2, a laser safety officer must first be appointed, and an additional detailed risk assessment carried out. Laser beams must never be directed towards personnel or vehicles. All work with laser levelling equipment must be carried out under the supervision of a competent person, by trained and authorised persons only. Always read the manufacturer’s instructions before using laser equipment and follow all precautions diligently.						
Damage to Skin (Burns):-		Always switch off laser equipment when not in use.						

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

RA 011

USE OF LASER LEVELLING EQUIPMENT

Page 2 of 2

Foot injuries – Toppling tripods: -

Always switch off laser equipment when not in use. Ensure laser equipment is stable and set-up on steady ground.

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected

														
✓	✓	✓	✓	✓										

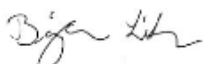
MONITORING ARRANGEMENTS:

Management to ensure compliance with this assessment. Safety advisor to check compliance during monitoring visits.

Ensure that operators are operating in a safe manner. Ensure that PAT inspections are being performed on all portable electrical equipment.

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment. **Remember:** Always check in your safety manual for Company safety procedures and systems of work.

ASSESOR	SIGNED	CREATED: 2019
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator		LAST REVIEW: 01/03/2022

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT				RA 013				
MANUAL HANDLING/OFFLOADING OF MATERIALS				Page 1 of 2				
LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)								
SIGNIFICANT HAZARDS IDENTIFIED: Give a <u>brief</u> description of what could be reasonably expected to cause significant harm and how that harm may arise.			RISK ASSESSMENT					
			UNCONTROLLED			CONTROLLED		
			<i>L</i>	<i>S</i>	<i>RR</i>	<i>L</i>	<i>S</i>	<i>RR</i>
Musculoskeletal injury caused through manual handling			2	3	6	1	3	3
Laceration/crushing injury to hands/arms caused by manual handling			2	2	4	1	2	2
PERSONS AT RISK	Y/N	DETAIL						
Employees	Y	All site staff to be inducted						
Contractors	Y	Subcontractors informed of requirements at site induction.						
Members of the Public	Y	Site to be secured with security fencing.						
CONTROL MEASURES								
Musculoskeletal injuries caused through manual handling		Avoid Manual Handling where possible. Consider using mechanical devices wherever possible. All staff must consider TILEO factors. The activity must be assessed for the Task, Individual, Load, Environment, Other The task itself must be considered. Aids must be used if the load is to be moved across varying levels such as high shelves or small spaces. If significant manual handling is required, contact Head Office for assistance in developing a SAFE SYSTEM OF WORK. Individual Assess weight of load. No person should lift more than 20kg (assuming load is not sharp/bulky). 20kg is a guide, operatives should only lift what they feel comfortable in doing so. Factors such as weather (working in the rain, extreme temperatures, etc), fatigue and diet should be taken into consideration.						

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

RA 013

MANUAL HANDLING/OFFLOADING OF MATERIALS

Page 2 of 2

CONTROL MEASURES: (Review at workplace & add any additional specific controls required)

Musculoskeletal injuries caused through manual handling

The individual must plan the lift and use good handling techniques:-

- Place the feet apart with leading leg as far forward as is comfortable.
- Bend at the knees if the load is at a low level.
- Get a firm grip, keeping the back straight.
- Lift the load smoothly, DO NOT JERK.
- Keep the load close to your body.
- When turning use your feet, DO NOT TWIST YOUR BODY.

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected

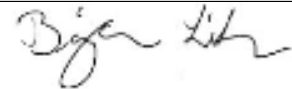
															
✓	✓	✓	✓												

MONITORING ARRANGEMENTS:

Ensure that operators are operating in a safe manner. Management to ensure compliance with this assessment. Ensure that PAT inspections are being performed on all portable electrical equipment.

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment. **Remember:** Always check in your safety manual for Company safety procedures and systems of work.

ASSESOR	SIGNED	CREATED: 2019
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator		LAST REVIEW: 01/03/2022

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT				RA 002				
USE OF PORTABLE ELECTRICAL EQUIPMENT				Page 1 of 2				
LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)								
SIGNIFICANT HAZARDS IDENTIFIED: Give a <u>brief</u> description of what could be reasonably expected to cause significant harm and how that harm may arise.			RISK ASSESSMENT					
			UNCONTROLLED			CONTROLLED		
			L	S	RR	L	S	RR
Particles from workpiece entering the eyes			3	3	9	1	3	3
Body contact with bits or blades – Severe lacerations or Amputation			3	3	9	1	3	3
Electric Shock			2	3	6	1	2	2
Fire – caused by creation of heat or sparks.			2	2	4	1	2	2
Hearing Damage from prolonged exposure to excessive noise levels			3	3	6	1	2	2
Vibration injuries caused by prolonged use			2	2	4	1	2	2
Trips caused by trailing electrical leads			2	2	4	1	2	2
PERSONS AT RISK	Y/N	DETAIL						
Employees	Y	All site staff to be inducted						
Contractors	Y	Subcontractors informed of requirements at site induction						
Members of the Public	Y	Site to be secured with security fencing						
CONTROL MEASURES								
Particles from workplace entering eyes: -		Bits and blades must be checked regularly for sharpness/effectiveness. Switch off and isolate equipment before carrying out adjustments or changing bits/blades. Only properly trained and authorised persons over the age of 18 must be permitted to operate portable electrical equipment. Ensure the correct PPE is available for the equipment and used on every occasion.						
Fire Caused by creation of heat and/or sparks: -		Ensure sparks do not ignite any combustible material or flammable substance in the work area.						

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

RA 015

USE OF PORTABLE ELECTRICAL EQUIPMENTS

Page 2 of 2

Body Contact with bits or blades – Severe lacerations: -	1 metre back space must be provided for operators to ensure that workplace does not interfere with adjacent personnel or operations. All machinery must be checked before each use to ensure that all guards are in place and effective. Loose clothing and ties must not be worn by operators.
Electric Shock:-	Ensure that the machine has been thoroughly examined within the last 3 months (or as specified by the manufacturer). ONLY Use battery or 110volt equipment. Ensure the power source is isolated before carrying out inspections or maintenance. Electrical equipment must be marked with an identification number and electrical test sticker. All cable extension reels must be fully unwound when in use
Hearing Damage:-	Planning of work must include consideration of COSHH and noise assessments, type of machine, installation of electric supply and materials handling requirements. Specific noise and vibration assessments will be necessary for sustained use. See appropriate guidance in safety manual for further information.

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected

														
✓	✓	✓	✓	✓										

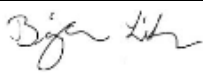
MONITORING ARRANGEMENTS:

Management to ensure compliance with this assessment. Safety advisor to check compliance during monitoring visits.

Ensure that operators are operating in a safe manner. Ensure that PAT inspections are being performed on all portable electrical equipment.

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment. **Remember:** Always check in your safety manual for Company safety procedures and systems of work.

ASSESSOR	SIGNED	CREATED: 2019
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator		LAST REVIEW: 01/03/2022

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

NOISE AT WORK

RA 016

Page 1 of 2

LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High

Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)

SIGNIFICANT HAZARDS IDENTIFIED:

Give a brief description of what could be reasonably expected to cause significant harm and how that harm may arise.

RISK ASSESSMENT

UNCONTROLLED

CONTROLLED

	<i>L</i>	<i>S</i>	<i>RR</i>	<i>L</i>	<i>S</i>	<i>RR</i>
Damage to hearing caused by prolonged exposure to noise above 80dB(A)	3	2	6	1	2	2
Damage to hearing caused by prolonged exposure to noise above 87dB(A) (200 Pascals)	3	3	9	1	3	3
Damage to hearing caused by prolonged exposure to noise above 85dB(A)	2	3	6	1	3	3

PERSONS AT RISK	Y/N	DETAIL
Employees	Y	All site staff to be inducted
Contractors	Y	Subcontractors informed of requirements at site induction.
Members of the Public	Y	Site to be secured with security fencing.

CONTROL MEASURES

Prolonged Exposure to Noise Above 80dB(A):-	For all work activities, noise levels must be reduced to their lowest practicable level using means other than hearing protection (e.g. screens, mufflers, engineering solutions etc.). Between 80 and 85dB(A), all employees must be advised to wear hearing protection and provided with it on request. Ensure that the hearing protection selected is effective in reducing exposure to a safe level (i.e. below 80dB(A)). Dirty or damaged hearing protection must not be used. If hearing protection is to be used in conjunction with other PPE, care must be taken to ensure that one does not impair the effectiveness of the other (e.g. when using ear muffs attached to a safety helmet, care must be taken to ensure that an effective seal around the ear is maintained at all times).
--	--

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

NOISE AT WORK

RA 016

Page 2 of 2

CONTROL MEASURES: (Review at workplace & add any additional specific controls required)

Prolonged Exposure to Noise Above 85dB(A): -	Above 85dB(A) the use of hearing protection is mandatory and must be strictly enforced.
Prolonged Exposure to Noise Above 87dB(A) or 200 pascals: -	Where the noise level regularly exceeds 85dB(A) and it is practicable to do so, hearing protection zones must be designated. Access to these zones must be restricted to necessary personnel only and signs erected to this effect. For high risk areas and activities, a separate, specific assessment is recommended.

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected

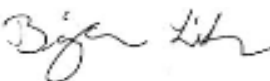
														
✓	✓	✓	✓					✓						

MONITORING ARRANGEMENTS:

Ensure that operators are operating in a safe manner. Management to ensure compliance with this assessment. Ensure that PAT inspections are being performed on all portable electrical equipment.

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment. **Remember:** Always check in your safety manual for Company safety procedures and systems of work.

ASSESOR	SIGNED	CREATED: 2019
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator		LAST REVIEW: 01/03/2022

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT HOLES, VOIDS AND EDGES					RA 018				
					Page 1 of 2				
LEGEND: <i>Likelihood and Severity :- 1=Low 2=Medium 3=High</i> <i>Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)</i>									
SIGNIFICANT HAZARDS IDENTIFIED: Give a <u>brief</u> description of what could be reasonably expected to cause significant harm and how that harm may arise.				RISK ASSESSMENT					
				UNCONTROLLED			CONTROLLED		
				<i>L</i>	<i>S</i>	<i>RR</i>	<i>L</i>	<i>S</i>	<i>RR</i>
Persons falling in to holes and voids or from open edges				2	3	6	1	3	3
Falls Of Materials on to persons below				2	3	6	1	3	3
<i>PERSONS AT RISK</i>	<i>Y/N</i>	<i>DETAIL</i>							
Employees	Y	All site staff to be inducted							
Contractors	Y	Subcontractors informed of requirements at site induction.							
Members of the Public	Y	Site to be secured with security fencing.							
CONTROL MEASURES									
Persons falling into holes and voids from open edges: -		Where persons may fall any distance from which a foreseeable injury may occur, edge protection must be provided. Ground chambers, such as manholes and gulley pots must be covered with their permanent covers/lids wherever practicable. Temporary covers must be sufficiently robust as to prevent persons falling through them or becoming accidentally dislodged. All open excavations where there is a risk of falling from height, must be backfilled at the end of each day or secured using hi-visibility barriers or heras fencing.							
Falls Of Materials onto persons below: -		Where reasonably practicable, do not store materials near holes or edges.							

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT													RA 018	
HOLES, VOIDS AND EDGES													Page 2 of 2	
PERSONAL PROTECTIVE EQUIPMENT:														
The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected														
														
✓	✓	✓	✓	✓										
MONITORING ARRANGEMENTS:														
Ensure that operators are operating in a safe manner. Management to ensure compliance with this assessment. Safety advisor to check compliance during monitoring visits														
INFORMATION, INSTRUCTION AND TRAINING														
All Operatives are to be familiar with the contents of this assessment. Remember: Always check in your safety manual for Company safety procedures and systems of work.														
ASSESOR					SIGNED					CREATED: 2019				
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator										LAST REVIEW: 01/03/2022				

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT				RA 019				
USE OF LIFTING EQUIPMENT (GENERAL)				Page 1 of 2				
LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)								
SIGNIFICANT HAZARDS IDENTIFIED: Give a <u>brief</u> description of what could be reasonably expected to cause significant harm and how that harm may arise.			RISK ASSESSMENT					
			UNCONTROLLED			CONTROLLED		
			L	S	RR	L	S	RR
Unintentional Release Of load			2	3	6	1	3	3
Unplanned Movement of Load			2	3	6	2	2	4
Damage to equipment and load			2	2	4	1	2	2
Crush injuries to personnel			2	3	6	1	3	3
Mechanical Failure			3	3	9	1	3	3
Lifting Accessory failure			3	3	9	1	3	3
PERSONS AT RISK	Y/N	DETAIL						
Employees	Y	All site staff to be inducted						
Contractors	Y	Subcontractors informed of requirements at site induction.						
Members of the Public	Y	Site to be secured with security fencing.						
CONTROL MEASURES								
Unintentional Release of Load:-		When selecting lifting equipment, consideration must be given to the weight, size, shape and centre of gravity of the load. All lifting gear should be individually identifiable and stored so as to prevent damage or deterioration. The safe working load of the lifting equipment and all lifting gear must be clearly marked on the item and never exceeded. Before fully raising the load, checks must be made to ensure that it is being lifted evenly and is not likely to swing or sway when raised.						
Unplanned Movement Of Load:-		Tail ropes must be used for larger loads to assist in manoeuvring operations.						

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT													RA 019	
USE OF LIFTING EQUIPMENT (GENERAL)													Page 2 of 2	
CONTROL MEASURES: (Review at workplace & add any additional specific controls required)														
Damage to Equipment: -			Safety certification of lifting equipment and operator should be assessed and checked before allowing work to commence. Before fully raising the load, checks must be made to ensure that it is being lifted evenly and is not likely to swing or sway when raised. Any lifting equipment that is damaged or too worn, must be replaced before any lifting can take place.											
Crushing Injuries to Personnel: -			Weights of all materials to be lifted shall be known. Any lifting should be under the maximum lifting capacity of the equipment and within the safe working load of the lifting accessory before commencing lifting operation.											
Mechanical failure: -			Plant must be inspected by competent person and certified under LOLER. Any faults or conformance must be reported immediately, and any defects rectified before use. Check											
PERSONAL PROTECTIVE EQUIPMENT:														
<i>The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected</i>														
														
✓	✓	✓	✓	✓										
MONITORING ARRANGEMENTS:														
Ensure that operators are operating in a safe manner. Management to ensure compliance with this assessment. Safety advisor to check compliance during monitoring visits														
INFORMATION, INSTRUCTION AND TRAINING														
All Operatives are to be familiar with the contents of this assessment. Remember: Always check in your safety manual for Company safety procedures and systems of work.														
ASSESSOR					SIGNED					CREATED: 2019				
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator										LAST REVIEW: 01/03/2022				

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT				RA 024				
ON SITE EXCAVATIONS				Page 1 of 2				
LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)								
SIGNIFICANT HAZARDS IDENTIFIED: Give a <u>brief</u> description of what could be reasonably expected to cause significant harm and how that harm may arise.			RISK ASSESSMENT					
			UNCONTROLLED			CONTROLLED		
			L	S	RR	L	S	RR
Collapse of Excavation			2	3	6	1	3	3
People or Plant falling into the excavation or causing collapse of side of excavation			2	3	6	1	3	3
Falling or dislodging material into excavation.			2	3	6	1	3	3
Contact with overhead/underground services			3	3	9	1	3	2
Overloading (causing Overturning of Failure of Lifting mechanism)			2	3	9	1	2	3
Overturning(On Steep inclines or due to overloading			2	3	6	1	3	3
Mechanical or Hydraulic failure caused by overloading			2	3	6	1	3	3
Exposure to excessive noise levels for prolonged periods			2	2	4	1	1	1
PERSONS AT RISK	Y/N	DETAIL						
Employees	Y	All site staff to be inducted						
Contractors	Y	Subcontractors informed of requirements at site induction						
Members of the Public	Y	Site to be secured with security fencing						
Others	Y	All visitors to report to site foreman						
CONTROL MEASURES								
Collapse of Excavation: -		Guard rails and toe boards inserted into the ground immediately next to the supported excavation side; or Fabricated guard rail assemblies that connect to the sides of the trench box. Check that excavations do not undermine scaffold footings, buried services or the foundations of nearby buildings or walls.						

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

ON SITE EXCAVATIONS

RA 024

Page 2 of 2

People or plant falling in excavation or causing collapse:	Decide if extra support for the structure is needed before you start. Surveys of the foundations and the advice of a structural engineer may be required. Set out traffic and pedestrian routes to avoid excavation areas. Do not park plant and vehicles close to the sides of excavations. The extra loadings can make the sides of excavations more likely to collapse. Edge protection should include toe boards or other means, such as projecting trench sheets or box sides to protect against falling materials. Head protection should be worn.
Falling or dislodging material on to the excavation:	A competent person must inspect excavation supports or battering at the start of the working shift and at other specified times. Keep machinery a safe distance from excavations, benches or batters. Make regular use of visibility aids at all times. If they become dirty or become displaced during the work, then stop and rectify.
Contact with underground services:	Prior to any earthworks the position of the underground services must be accurately determined by following these steps: 1. No works are to begin without a permit to dig . 2. If available, detailed services information (map) must be provided to the competent person that will be supervising/preforming the works 3. Competent person must use cable avoidance tool to inspect area of the earthworks. If any deviation from provided maps is discovered, Contracts manager must be informed and no works are to begin without his/her permission. 4. If planned excavation is to intersect or come in close proximity to existing underground services trial holes must be excavated. Excavation of trial holes is to be done by hand wherever reasonably possible and always if in the near proximity of existing services (min. distance 300 mm).
Contact with overhead services:	You can eliminate the danger by avoidance diversion or isolation. Avoidance – find out if the work really has to be carried out under or near overhead lines, and can't be done somewhere else. Make sure materials (such as bales or spoil) are not placed near overhead lines, and temporary structures (such as polytunnels) are erected outside safe clearance distances. Diversion – arrange for overhead lines to be diverted away from the work area. Isolation – arrange for lines to be made dead while the work is being done. Where there is no scheduled work or requirement for access under the lines, barriers should be erected at the correct clearance distance away from the line to prevent close approach. The safe clearance distance should be ascertained from the Distribution Network Operator (DNO). If work beneath live overhead power lines cannot be avoided, barriers, goal posts and warning notices should be provided. Clearance – the safe clearance required beneath the overhead lines should be found by contacting the Distribution Network Operator (DNO); Exclusion – vehicles, plant, machinery, equipment, or materials that could reach beyond the safe clearance distance

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

	should not be taken near the line; Modifications – Vehicles such as cranes, excavators and tele-handlers should be modified by the addition of suitable physical restraints so that they cannot reach beyond the safe clearance distances, measures should be put in place to ensure these restraints are effective and cannot be altered or tampered with; Maintenance – operators of high machinery should be instructed not carry out any work on top of the machinery near overhead power lines; Supervision – access for plant and materials and the working of plant should be under the direct supervision of a suitable person appointed to ensure that safety precautions are observed.
--	--

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected

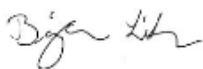
														
✓	✓	✓	✓	✓										

MONITORING ARRANGEMENTS:

Management to ensure compliance with this assessment
 Safety advisor to check compliance during monitoring visits
 Ensure that operators are operating in a safe manner
 Ensure that PAT inspections are being performed on all portable electrical equipment

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment. **Remember:** Always check in your safety manual for Company safety procedures and systems of work.

ASSESOR	SIGNED	CREATED: 2019
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator		LAST REVIEW: 01/03/2022

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

RA 026

WORKING ON OR NEAR UNDERGROUND SERVICES

Page 1 of 2

LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High

Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)

SIGNIFICANT HAZARDS IDENTIFIED:

Give a brief description of what could be reasonably expected to cause significant harm and how that harm may arise.

RISK ASSESSMENT

UNCONTROLLED

CONTROLLED

	<i>L</i>	<i>S</i>	<i>RR</i>	<i>L</i>	<i>S</i>	<i>RR</i>
Contact with electricity or gas supplies	2	3	6	1	3	3
Flooding from water services	1	2	2	1	2	2
Contact with sewage	1	2	2	1	2	2
Explosion or asphyxia from gas leak	2	3	6	1	3	3

PERSONS AT RISK

Y/N

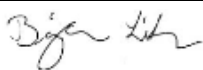
DETAIL

Employees	Y	All site staff to be inducted
Contractors	Y	Subcontractors informed of requirements at site induction
Members of the Public	Y	Site to be secured with security fencing

CONTROL MEASURES

General guidelines -	Prior to excavation the position of the underground services must be accurately determined by following these steps: 1. No works are to begin without a permit to dig. 2. If available, detailed services information (map) must be provided to the competent person that will be supervising/preforming the works 3. Competent person must use cable avoidance tool to inspect area of the earthworks. If any deviation from provided maps is discovered, Contracts manager must be informed and no works are to begin without his/her permission. 4. If planned excavation is to intersect or come in close proximity to existing underground services trial holes must be excavated. Excavation of trial holes is to be done by hand wherever reasonably possible and always if in the near proximity of existing service.
Contact with Electricity Supplies	All works should be planned beforehand taking into account all above risks and local services Nearby equipment should be checked, and owners contacted if persons suspect underground services.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT													RA 026			
WORKING ON OR NEAR UNDERGROUND SERVICES													Page 2 of 2			
Contact With Sewage	Plans and drawings are not to be presumed accurate, location devices must be used as a definitive. All services are to be presumed live unless proven otherwise															
Explosion or Asphyxia from Gas leak:	Services crossing excavations must be supported. Services located in concrete will be isolated before breaking will commence. If works are to be undertaken near services trial holes must be dug using appropriate hand tools as necessary Where possible, excavations to discover services should take place horizontally rather than from directly above as the force applied by hand tools can be controlled more effectively.															
Flooding from water services	Full details of service locations via service drawings obtained from the relevant authorities including companies and private property owners Site operative, supervisors and foreman to be trained in the use of service locator equipment Site staff to ensure relevant services (including temporary services) are too located and marked before further work is to commence.															
PERSONAL PROTECTIVE EQUIPMENT: The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected																
																
✓	✓	✓	✓	✓							✓					
MONITORING ARRANGEMENTS:																
Management to ensure compliance with this assessment. Safety advisor to check compliance during monitoring visits. Ensure that operators are operating safely.																
INFORMATION, INSTRUCTION AND TRAINING																
All Operatives are to be familiar with the contents of this assessment. Remember: Always check in your safety manual for Company safety procedures and systems of work.																
ASSESOR					SIGNED					CREATED: 2019						
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator										LAST REVIEW: 01/03/2022						

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

RA 027

USE OF/ WORK AROUND AVANT WHEEL LOADERS & TELESCOPIC HANDLERS

Page 1 of 2

LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High

Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)

SIGNIFICANT HAZARDS IDENTIFIED:

Give a brief description of what could be reasonably expected to cause significant harm and how that harm may arise.

RISK ASSESSMENT

UNCONTROLLED

CONTROLLED

	<i>L</i>	<i>S</i>	<i>RR</i>	<i>L</i>	<i>S</i>	<i>RR</i>
Collision with other plant, vehicles, structures or persons	2	3	6	1	3	3
Overloading(Causing overturning or failure of lifting mechanism)	3	3	9	1	3	3
Overturning(On Steep inclines or due to overloading or poor ground conditions)	2	3	6	1	3	3
Mechanical or Hydraulic Failure (Caused by overloading or poor maintenance)	2	3	6	1	3	3
Machine falling in to excavation or causing collapse of side of excavation	2	3	6	1	3	3
Creation of crush zones(caused by failure to maintain 600mm clearance)	2	3	6	1	3	3
Use of Attachments and other mounted implements	2	2	4	1	2	2
Risks associated with the repair and maintenance of excavators	2	2	4	1	2	2
Slips, trips and falls when entering or removing the machine	2	2	4	1	2	2
Overhead cables(if using larger boom machine)	3	3	9	1	2	2

PERSONS AT RISK	Y/N	DETAIL
Employees	Y	All site staff to be inducted
Contractors	Y	Subcontractors informed of requirements at site induction.
Members of the Public	Y	Site to be secured with security fencing.

CONTROL MEASURES

Collision with other plant, vehicles, structures and persons: -	Locate all Overhead services in and around the work area and provide barriers and markers as necessary. Identify adverse gradients and ground conditions – select appropriate machines and operating position. that one does not impair the effectiveness of the other (e.g. when using ear muffs attached to a safety helmet, care must be taken to ensure that an effective seal around the ear is maintained at all times).
--	--

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

RA 027

USE OF/ WORK AROUND AVANT WHEEL LOADERS & TELESCOPIC HANDLERS

Page 2 of 2

CONTROL MEASURES: (Review at workplace & add any additional specific controls required)

Overloading (causing overturning or failure of lifting mechanism: -

Above 85dB(A) the use of hearing protection is mandatory and must be strictly enforced. All workers to use correct PPE – Hi-viz, Hard hats, Safety Boots and Hearing Protection (if required). Keep machinery a safe distance from excavations, benches or batters. Check certification of machine and operator before allowing work to commence. Machine must be inspected at least weekly and records kept in register. Check all mirrors, CCTV, etc. are fitted, correctly adjusted and in good working order. Check machine controls and safety features are working correctly before use. Ensure the machine operator is fully aware of the nature of the work to be carried out. Ensure workers are made fully aware of their duties and work sequences. Follow manufacturer's instructions for changing attachments and use for lifting. Workers responsible for attaching loads must establish a clear signalling system with the machine operator.

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected

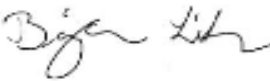
														
✓	✓	✓	✓					✓						

MONITORING ARRANGEMENTS:

Ensure that operators are operating in a safe manner. Management to ensure compliance with this assessment. Ensure that PAT inspections are being performed on all portable electrical equipment.

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment. **Remember:** Always check in your safety manual for Company safety procedures and systems of work.

ASSESOR	SIGNED	CREATED: 2019
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator		LAST REVIEW: 01/03/2022

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT				RA 031					
WORKING NEAR OVERHEAD ELECTRICAL CABLES				Page 1 of 2					
LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)									
SIGNIFICANT HAZARDS IDENTIFIED: Give a <u>brief</u> description of what could be reasonably expected to cause significant harm and how that harm may arise.				RISK ASSESSMENT					
				UNCONTROLLED			CONTROLLED		
				L	S	RR	L	S	RR
Electrical Short Circuit caused by contact of vehicles with overhead cables				3	3	9	1	3	3
Electrical short circuit caused by contact of scaffold tube with overhead cables				3	3	9	1	3	3
Flash-over or arcing: Close proximity of cable with vehicles or materials				3	3	9	1	3	3
Dangers caused due to inadequate earthing systems				2	3	6	1	3	3
Adverse weather: Rain or high winds				2	3	6	1	3	3
PERSONS AT RISK	Y/N	DETAIL							
Employees	Y	All site staff to be inducted							
Contractors	Y	Subcontractors informed of requirements at site induction.							
Members of the Public	Y	Site to be secured with security fencing.							
CONTROL MEASURES									
Contact of Vehicles/Plant with overhead Powerlines: -		Wherever reasonably practicable, avoid the need to work under or near live overhead cables. If working in close proximity, or there is a present risk; before commencing operations, liaise with electric company to agree, diversions, isolations, safe working clearances, shrouding and any other necessary steps if necessary. Where not working underneath, low level ground barriers can be used to setup a restriction area. If wire fencing (or similar) is used, the fence must be earthed at both ends. Barriers and solid goalposts must be erected as required and as agreed with the electricity company, to clearly define areas of operations: -							

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

WORKING NEAR OVERHEAD ELECTRICAL CABLES

RA 031

Page 2 of 2

CONTROL MEASURES: (Review at workplace & add any additional specific controls required)

Contact with scaffold or similar:-	Operations involving the movement of long metal objects, such as scaffold tubes and ladders, in the vicinity of overhead lines must be subject to specific authorisation and supervision.
Flash over or arcing (Proximity):-	Clearance – the safe clearance required beneath the overhead lines should be ascertained from the owner of the line; Modifications - Mechanical equipment must be fitted with physical height restrictors where necessary. Strict control must be exercised over all plant.
Inadequate earthing:-	Passageways or goals posts should be made of nonconducting materials. Where a conductive material is used the setup must be earthed at both ends.
Adverse Weather:-	During wet or windy conditions extra care must be taken and any exclusion zones should be extended to take this into account. During wet weather arcing distances are increased. Windy weather may push / sway electric lines a distance away from normal.

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected

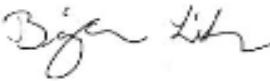
														
✓	✓	✓	✓						✓					

MONITORING ARRANGEMENTS:

Ensure that operators are operating in a safe manner. Management to ensure compliance with this assessment.

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment. **Remember:** Always check in your safety manual for Company safety procedures and systems of work.

ASSESSOR	SIGNED	CREATED: 2019
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator		LAST REVIEW: 01/03/2022

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT WELFARE FACILITY (SITE BASED)					RA 039			
					Page 1 of 2			
LEGEND: <i>Likelihood and Severity :- 1=Low 2=Medium 3=High</i> <i>Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)</i>								
SIGNIFICANT HAZARDS IDENTIFIED: Give a <u>brief</u> description of what could be reasonably expected to cause significant harm and how that harm may arise.			RISK ASSESSMENT					
			UNCONTROLLED			CONTROLLED		
			<i>L</i>	<i>S</i>	<i>RR</i>	<i>L</i>	<i>S</i>	<i>RR</i>
Fire - Electrical			3	3	9	1	3	3
Fire – cooking facilities			2	3	6	1	3	3
Fire – Source of Ignition			2	3	6	1	3	3
Fire – Generator			2	3	6	1	3	3
Slips, Trips and falls			2	2	4	1	2	2
Hygiene			2	2	4	1	2	2
PERSONS AT RISK		Y/ N	DETAIL					
Employees		Y	All site staff to be inducted					
Contractors		Y	Subcontractors informed of requirements at site induction					
Members of the Public		Y	Site to be secured with security fencing					
CONTROL MEASURES								
Fire Electrical: -		Only approved PAT tested electrical items to be used. No personnel to work, interfere or tamper with any electrical appliances unless qualified to so. Users must carry out regular visual inspections on plugs, sockets and cabling. Sockets must not be overloaded.						
Fire- cooking Facilities: -		Fire extinguishers to be provided throughout. Fire exit doors to open in the direction of egress. Flammable liquids to be kept in their original containers and locked away. These should be kept well away from sources of ignition Fire assembly point to be clearly marked and all site staff aware of its location. Extinguishers to be kept securely and should not be used as doors stops or props.						

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

WELFARE FACILITY (SITE BASED)

RA 039

Page 2 of 2

Slips, Trips and Falls: -	Ensure that cleanliness and organisation of the welfare unit is maintained at a good level to prevent trips and slips that could result in injury. Any trip or slip hazards should be moved to a safer location or removed straight away.
Hygiene: -	Any kitchen waste to be put in the bins provided. Gloves to be worn when cleaning or disposing of waste. Ensure cleaning agents are stored and disposed of as required in the MSDS. Toilets to have necessary soap, towels and sanitary facilities. Spills to be cleaned up immediately. Good housekeeping standards are maintained. Hot and Cold running water to be provided if not already available. Good hygiene and housekeeping practices are adopted.

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected

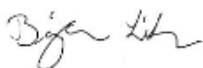
														
✓	✓	✓	✓	✓										

MONITORING ARRANGEMENTS:

Management to ensure compliance with this assessment. Ensure that operators are operating in a safe manner.

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment. **Remember:** Always check in your safety manual for Company safety procedures and systems of work.

ASSESOR	SIGNED	CREATED: 2019
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator		LAST REVIEW: 01/03/2022

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT				RA 040					
PREMISES AND SITE SECURITY				Page 1 of 2					
LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)									
SIGNIFICANT HAZARDS IDENTIFIED: Give a <u>brief</u> description of what could be reasonably expected to cause significant harm and how that harm may arise.				RISK ASSESSMENT					
				UNCONTROLLED			CONTROLLED		
				L	S	RR	L	S	RR
Injury to personnel and others as a result of an unsecure property.				2	3	6	1	3	3
Damage to property and premises				2	3	6	1	3	3
Risk of fire and explosion				2	3	6	1	3	3
PERSONS AT RISK	Y/ N	DETAIL							
Employees	Y	All site staff to be inducted							
Contractors	Y	Subcontractors informed of requirements at site induction							
Members of the Public	Y	Site to be secured with security fencing							
CONTROL MEASURES									
Personal Violence/harm from intruders: -		Ensure that site remains secure and all containers/welfare containing materials, machinery and fuel remain locked, to prevent and reduce the risk of trespassers. Ensure that all site operatives are aware of emergency contact numbers (police, ambulance). Brief and inform all site operatives of procedures when facing a threatening situation.							
Damage to property and premises increasing risk to others: -		Check all locking arrangements and ensure that everything is secure before vacating the site. Check perimeter fences and walls. Use adequate warning signs to reduce the risk of theft. Review and improve the storage arrangements and locations of dangerous goods.							

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

RA 040

PREMISES AND SITE SECURITY

Page 2 of 2

Risks of fire and explosion: -

Ensure that all dangerous goods are locked away and out of sight. Remove waste frequently from site as this may be a fire risk. Introduce new security systems. Avoid leaving valuables on site where possible.

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected

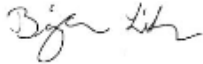
														
✓	✓	✓	✓	✓										

MONITORING ARRANGEMENTS:

Management to ensure compliance with this assessment. Ensure that operators are operating in a safe manner.

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment. **Remember:** Always check in your safety manual for Company safety procedures and systems of work.

ASSESOR	SIGNED	CREATED: 2019
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator		LAST REVIEW: 01/03/2022

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT					RA 045			
MANAGEMENT OF ROAD TRAFFIC					Page 1 of 2			
LEGEND: <i>Likelihood and Severity :- 1=Low 2=Medium 3=High</i> <i>Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)</i>								
SIGNIFICANT HAZARDS IDENTIFIED: Give a <u>brief</u> description of what could be reasonably expected to cause significant harm and how that harm may arise.			RISK ASSESSMENT					
			UNCONTROLLED			CONTROLLED		
			<i>L</i>	<i>S</i>	<i>RR</i>	<i>L</i>	<i>S</i>	<i>RR</i>
Serious or Fatal injury – Contact with plant and vehicles			2	3	6	1	3	3
Serious or fatal injury to member of the public arising from contact with site traffic or plant			2	2	4	1	2	2
<i>PERSONS AT RISK</i>	<i>Y/ N</i>	<i>DETAIL</i>						
Employees	Y	All site staff to be inducted						
Contractors	Y	Subcontractors informed of requirements at site induction						
Members of the Public	Y	Site to be secured with security fencing						
CONTROL MEASURES								
Serious or fatal Injury – From contact with plant and vehicles: -		Only trained and competent persons shall be used as vehicle banksman. Long-sleeved Hi-vis top and trousers to be worn when acting as vehicle banksman, in addition to normal, minimum site PPE standards. The Banksman must not attempt to stop non site traffic moving along the highway or move into the road to try and slow vehicles down. The Banksman must always position himself where he can see and be seen by any traffic or plant.						
Serious or fatal Injury to a member or the Public:-		Ensure any warning signs are appropriately located on the approach to the crossing point. Banksman to ensure that all site traffic stops before emerging onto public highway and that no site traffic is allowed to proceed until the banksman has confirmed that the road is clear.						

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

MANAGEMENT OF ROAD TRAFFIC

RA 045

Page 2 of 2

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected

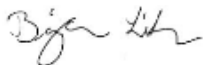
														
✓	✓	✓	✓	✓										

MONITORING ARRANGEMENTS:

Management to ensure compliance with this assessment. Ensure that operators are operating in a safe manner.

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment. **Remember:** Always check in your safety manual for Company safety procedures and systems of work.

ASSESOR	SIGNED	CREATED: 2019
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator		LAST REVIEW: 04/04/2022

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT				RA 046				
USE OF MIXING OF GLUES				Page 1 of 2				
LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)								
SIGNIFICANT HAZARDS IDENTIFIED: Give a <u>brief</u> description of what could be reasonably expected to cause significant harm and how that harm may arise.			RISK ASSESSMENT					
			UNCONTROLLED			CONTROLLED		
			L	S	RR	L	S	RR
Mixer Falling Over, When in Operation			3	2	6	1	2	
Injury from Moving Parts			2	3	6	1	3	
Exposure to hazardous Substances			2	3	6	1	3	
Injury as a result of a mechanical/electrical fault			2	2	4	1	2	
Manual handling			2	2	4	1	2	
Inhalation of Glues			3	3	9	1	3	
PERSONS AT RISK	Y/N	DETAIL						
Employees	Y	All site staff to be inducted						
Contractors	Y	Subcontractors informed of requirements at site induction						
Members of the Public	Y	Site to be secured with security fencing						
CONTROL MEASURES								
Mixer Falling Over, when in Operation: -		Ensure when mixing is set on stable and level ground, to ensure there is no risk of toppling over.						
Injury From Moving Parts: -		Ensure all mixer operatives are competent and capable. Ensure that hands and arms are kept out of the mixer at all times.						
Exposure to Hazardous Substances: -		Suitable PPE shall be worn, in the form of suitable eye protection, protective gloves and FFP3 dust masks as a minimum outside well ventilated areas. The mixing area shall be washed out using water. The slurry shall be tipped straight into the Avant bucket and disposed of in the designated concrete washout area.						

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

RA 046

USE OF MIXING OF GLUES

Page 2 of 2

Injury As a result of mechanical/electrical fault:	Visually inspect the mixer before every use. Report any defects to SWSG site supervisor/management. Ensure that all machine guards are in place. Fire extinguisher and spill kit shall be kept within a cabin in proximity to the works.
Manual handling: -	An Avant shall be used to transport materials adjacent to the mixing area, to reduce manual handling.
Inhalation of adhesive or hardener: -	When mixing, station shall be located in a suitable position to ensure that the wind is flowing away from the operative. Mixing should not be carried out in confined spaces.

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected

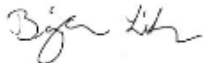
														
✓	✓	✓	✓	✓										

MONITORING ARRANGEMENTS:

Management to ensure compliance with this assessment. Ensure that operators are operating in a safe manner.

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment. **Remember:** Always check in your safety manual for Company safety procedures and systems of work.

ASSESSOR	SIGNED	CREATED: 2019
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator		LAST REVIEW: 01/03/2022

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT					RA 046			
LOADING & UNLOADING OF DELIVERIES AND EQUIPMENT					Page 1 of 2			
LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)								
SIGNIFICANT HAZARDS IDENTIFIED: Give a <u>brief</u> description of what could be reasonably expected to cause significant harm and how that harm may arise.			RISK ASSESSMENT					
			UNCONTROLLED			CONTROLLED		
			L	S	RR	L	S	RR
Injuries to persons caused by incorrectly stored materials falling from height			2	3	6	1	3	3
Musculoskeletal injuries caused by incorrect lifting and handling			2	2	4	1	2	2
Working with in a proximity of mechanical lifting and handling			2	3	6	1	3	3
Incorrectly stored materials re: COSHH			3	2	6	1	2	2
PERSONS AT RISK	Y/N	DETAIL						
Employees	Y	All site staff to be inducted						
Contractors	Y	Subcontractors informed of requirements at site induction						
Members of the Public	Y	Site to be secured with security fencing						
CONTROL MEASURES								
Injuries to persons caused by incorrectly stored materials falling from height: -		Ensure that minimum quantities of materials are ordered in line with work programme, thus reducing quantities stored. Ensure that storage areas are level. All operatives are to ensure the ladders are used while mounting and unmounting vehicle, and edge protection is in place while operating n vehicle beds. Palletised loads should not be stacked more than two high unless otherwise indicated. Use chocks or other devices to ensure that cylindrical objects cannot roll. Ensure that adequate access to above and below ground storage areas is provided.						
Musculoskeletal injuries caused by incorrect lifting and handling: -		Manual handling training has been provided in-house to all SWSG operatives. Use mechanical means wherever reasonably practicable.						

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

RA 048

LOADING & UNLOADING OF MATERIALS AND EQUIPMENT

Page 2 of 2

Working with and in the proximity of mechanical lifting: -	Segregate pedestrian and traffic routes wherever practicable. In restricted spaces, consider whether proper use is being made of audible and visible warnings and high-visibility clothing.
Incorrectly stored materials re: COSHH e.g. temperature/humidity: -	Secure storage must be provided for hazardous substances. Follow manufacturer's recommendations with respect to temperature, humidity and stacking requirements. For hazardous substances, see COSHH assessments/Material Safety Data Sheets or prepare new. All containers must be clearly marked with their contents.

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected

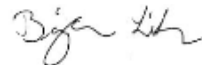
															
✓	✓	✓	✓	✓											

MONITORING ARRANGEMENTS:

Management to ensure compliance with this assessment. Ensure that operators are operating in a safe manner.

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment. **Remember:** Always check in your safety manual for Company safety procedures and systems of work.

ASSESOR	SIGNED	CREATED: 2019
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator		LAST REVIEW: 01/03/2022

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT				RA 044				
HAND ARM VIBRATION (HAVS)				Page 1 of 2				
LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)								
SIGNIFICANT HAZARDS IDENTIFIED: Give a <u>brief</u> description of what could be reasonably expected to cause significant harm and how that harm may arise.			RISK ASSESSMENT					
			UNCONTROLLED			CONTROLLED		
			L	S	RR	L	S	RR
Inadequate information, instruction and training			2	3	6	1	3	3
Vulnerable employees (Young persons, new expecting mothers)			2	2	4	1	2	2
Poor health Surveillance			2	2	4	1	2	2
Unsuitable Equipment			2	2	4	1	2	2
PERSONS AT RISK	Y/N	DETAIL						
Employees	Y	All site staff to be inducted						
Contractors	Y	Subcontractors informed of requirements at site induction						
Members of the Public	Y	Site to be secured with security fencing						
CONTROL MEASURES								
Inadequate information, instruction and training: -		All operatives and supervisors to be provided with hand arm and whole-body vibration training.						
Vulnerable employees: -		Short self-assessment questionnaire issued to screen employees who will be working with vibration as part of the Occupational Health program						
Poor health Surveillance: -		Annual screening carried out by Occupational Health Service						
Unsuitable Equipment: -		Supervisors to ensure that the equipment provided is suitable for the intended use. When selecting new equipment preference is given to equipment with low vibration levels.						
Remember: Always check in your safety manual for Company safety procedures and systems of work.								

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

HAND ARM VIBRATION (HAVS)

RA 044

Page 2 of 2

Monitoring: -	HAVs levels have been measured with proper equipment
Excessive vibration Exposure: -	Restrictions in place to limit duration and frequency of using high vibration equipment. Job rotation used to limit exposure of individual workers and provide variety of movement to work activities. Outdoor workers provided with clothing appropriate to weather including gloves

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected

															
✓	✓	✓	✓	✓										✓	

MONITORING ARRANGEMENTS:

Ensure that operators are operating in a safe manner. Always check in your safety manual for Company safety procedures and systems of work.

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment.

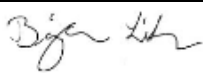
Remember: Always check in your safety manual for Company safety procedures and systems of work.

ASSESSOR	SIGNED	CREATED: 2019
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator		LAST REVIEW: 01/03/2022

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT				RA 053				
FUEL STORAGE CONTAINERS				Page 1 of 2				
LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)								
SIGNIFICANT HAZARDS IDENTIFIED: Give a <u>brief</u> description of what could be reasonably expected to cause significant harm and how that harm may arise.			RISK ASSESSMENT					
			UNCONTROLLED			CONTROLLED		
			L	S	RR	L	S	RR
Spillages - environmental Incidents/contamination of drains and watercourses.			3	3	9	2	2	4
Fire and Explosion			3	3	9	2	2	4
Inhalation, absorption or ingestion of diesel			3	3	9	2	2	4
Damage to Infrastructure due to plant and machinery (Puncturing Tank)			2	3	6	1	1	2
Slips, Trips and Falls			2	2	4	1	2	2
Vents Low Level and High Level			2	2	4	1	2	2
PERSONS AT RISK	Y/N	DETAIL						
Employees	Y	All site staff to be inducted						
Contractors	Y	Subcontractors informed of requirements at site induction						
Members of the Public	Y	Site to be secured with security fencing						
CONTROL MEASURES								
Spillages – Environmental Incidents/contamination of drains and water courses :-		Regular inspection of storage tanks required, including bunding and associated pipework and valves. Pumping equipment is to be maintained and included in the maintenance regime. Spill Kits shall be made readily available in cases of a spill. Secondary containment is sufficiently in place.						
Fire & Explosion :-		No sources of ignition to be used in the vicinity of the storage area unless it is suitable for the working environment this includes any contractor carrying out any work. All vehicles are to be stationary and switched off prior to refuelling. No Smoking is permitted around the container. Provision of fire-fighting equipment and absorbent material, Only people trained to use the equipment should be permitted to access the store.						

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT		RA 053																														
FUEL STORAGE CONTAINERS		Page 2 of 2																														
Damage to Infrastructure due to plant and machinery (Puncturing Tank):-	The Container should be located in an area where there is no risk of collision with vehicles, telehandlers etc. placing barriers or bollards around the container, and displaying the necessary signage indicating the type of fuel and the chemicals involved.																															
Causing Slips, Trips and Falls Injuries:-	Safe access is to be maintained in/out of the container, and free from obstruction at all times including the access steps.																															
Vents low level and High Level:-	Ventilation has been installed low level and high level to ensure a constant flow of ventilation in the container, ventilation is to be clear and free from obstruction at all times.																															
Inhalation, Absorption or Ingestion of Diesel:-	Avoid inhalation of vapours and contact with skin when undertaking fuelling operations. Suitable PPE Must be worn when refuelling, including safety glasses to shield splashes etc.																															
PERSONAL PROTECTIVE EQUIPMENT: The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected																																
<table border="1"> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td></td> </tr> </table>																		✓	✓	✓	✓	✓									✓	
																																
✓	✓	✓	✓	✓									✓																			
MONITORING ARRANGEMENTS:																																
Ensure that operators are operating in a safe manner. Always check in your safety manual for Company safety procedures and systems of work.																																
INFORMATION, INSTRUCTION AND TRAINING																																
All Operatives are to be familiar with the contents of this assessment. Remember: Always check in your safety manual for Company safety procedures and systems of work.																																
ASSESSOR	SIGNED	CREATED: 2019																														
Bojan Liker, SHEQ Manager Samantha Watts, H&S Co-Ordinator		LAST REVIEW: 01/03/2022																														

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT				RA 010				
INSTALLATION OF SHOCKPAD AND CARPET				Page 1 of 2				
LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)								
SIGNIFICANT HAZARDS IDENTIFIED: Give a <u>brief</u> description of what could be reasonably expected to cause significant harm and how that harm may arise.			RISK ASSESSMENT					
			UNCONTROLLED			CONTROLLED		
			L	S	RR	L	S	RR
Manual handling injuries			2	2	4	1	2	2
Slips and trips on shock pad/carpet/tools			3	2	6	1	2	2
Laceration to hands and body from contact with blade (cutting carpet/shockpad)			2	3	6	1	3	3
Puncture wounds to body from contact with blade			2	3	6	1	3	3
Contact with the Glue (COSHH)			3	2	6	1	3	3
Head injuries			2	3	6	1	3	3
PERSONS AT RISK	Y/N	DETAIL						
Employees	Y	All site staff to be inducted						
Contractors	Y	Subcontractors informed of requirements at site induction						
Members of the Public	Y	Site to be secured with security fencing						
Others	Y	All visitors to report to site foreman						
CONTROL MEASURES								
Manual handling injuries		All the materials previously positioned as close as possible to the area of installation by mini-loaders. Min of two operatives to transport shock-pad panels into position (light but bulk material). Carpets to be unrolled by 2-4 operatives, depending on the size of the roll. Supervisors to cross-check weights of all materials against delivery tickets, so adequate num. of workers can be planned for moving of materials is in line with Manual handling RA (separate document). All operatives to have in-date Manual handling training.						
Slips and trips on shock pad/carpet/tools		Good and regular housekeeping. Keeping materials neatly stored. Working in sections, not leaving previous sections unfinished.						

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

Lacerations to hands and body from contact with blade:	Gloves must always be worn. Never use dull blades, dull blades require more pressure to be applied, increasing the risk of injury. Always draw knife away from body and NEVER towards the body. Keep extremities out of the cutting path.
Injuries to eyes caused by small flying particles:	Ensure that knife is appropriate for the task and is not used for anything other than it's intended purpose, e.g. do not use a knife to pry loose objects. All knives must be inspected by foreman for defects and to ensure correct blade is used prior to works commencing. Always follow manufacturer's instructions when changing blades. Always dispose of dull or broken blades in a proof container. Eye protection should be worn to prevent the risk of flying particles.
Contact with the Glue (COSHH)	Refer to specific COSHH assessment in regards to PPE to be used for the task (gloves, glasses, protective clothes)
Head injuries	Very low probability of head injuries, so no additional measures are required. Operatives are not required to wear hard-hats while performing the works if following requirements are met: - operatives performing action in separate, completely fenced off area - no interaction with other types of works/contractors - no plant or vehicles present in the area of works - no overhead danger Operatives are to keep their hard hats close and available for use in case there is any change to above mentioned criteria.

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected



✓

✓

✓

✓

MONITORING ARRANGEMENTS:

Management to ensure compliance with this assessment. Ensure that operators are operating in a safe manner.

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment. **Remember:** Always check in your safety manual for Company safety procedures and systems of work.

ASSESSOR

Bojan Liker, SHEQ Manager
Samantha Watts, H&S Co-Ordinator

SIGNED

Bojan Liker

CREATED: 2019

LAST REVIEW: 01/03/2022

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

Slips, Trips, and Falls

RA 068

Page
1 of 2

LEGEND: Likelihood and Severity :- 1=Low 2=Medium 3=High

Risk Rating(LxS) :- 1-4=Low (Acceptable) 6=Medium (Consider further controls) 9=Unacceptable (Do not proceed)

SIGNIFICANT HAZARDS IDENTIFIED:

Give a brief description of what could be reasonably expected to cause significant harm and how that harm may arise.

RISK ASSESSMENT

UNCONTROLLED

CONTROLLED

	<i>L</i>	<i>S</i>	<i>RR</i>	<i>L</i>	<i>S</i>	<i>RR</i>
Uneven or Damaged Surfaces Trenches, potholes, uneven ground, or broken flooring that can cause trips.	2	2	4	1	2	2
Wet or Contaminated Surfaces Spills from water, oil, or other substances; rainwater ingress; mud accumulation.	2	2	4	1	2	2
Poor Housekeeping Tools, materials, or debris left in walkways; cluttered work areas.	2	2	4	1	2	2
Weather Conditions Ice, snow, or wet conditions increasing slip risks, particularly in outdoor areas.	2	2	4	1	2	2
Changes in Level Steps, ramps, or unexpected changes in ground/floor height.	2	2	4	1	2	2
Inadequate Lighting Poorly lit areas, especially during early mornings, evenings, or in enclosed spaces.	2	2	4	1	2	2
Improper Footwear Workers not wearing appropriate slip-resistant footwear suitable for the site conditions.	2	2	4	1	2	2
Trailing Cables and Hoses Electrical cords or hoses crossing walkways without proper management.	2	2	4	1	2	2



SUMMERLEAZE ACRES . MAGOR, MONMOUTHSHIRE, NP26 3DE

Telephone: 01633 880493/Fax: 01633 880001

www.southwalesportsgrounds.co.uk

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

PERSONS AT RISK	Y/ N	DETAIL
Employees	Y	All site staff to be inducted. All visitors to report to site foreman
Contractors	Y	Subcontractors informed of requirements at site induction
Site Visitors	Y	All visitors to undertake Company Induction, be accompanied during their visits and use only pedestrian traffic routes of site.
Members of the Public	N	Site to be secured with security fencing and gates man controlling site entrance.
CONTROL MEASURES		
Daily Inspections		Mandatory Daily Inspections: All work areas are to be inspected daily without exception, with records maintained as part of the SOS (Start of Shift) form. Site Supervisor Responsibility: Any slip, trip or fall hazard identified during inspections must be managed by the Site Supervisor through: • Elimination or Removal (e.g. removing obstacles or clearing spills) • Risk Reduction (e.g. covering holes, securing mats) • Control Measures (e.g. cordoning off with cones/barriers, placing signage) Escalation Procedure: If a hazard cannot be addressed at the site level, it must be escalated immediately to the Direct Manager and/or Health & Safety Department so that higher-level mitigation measures can be implemented.
Employee Responsibility		Hazard Reporting: All employees share the responsibility for site safety. Any employee who identifies a slip, trip, or fall hazard must report it directly to their supervisor without delay. Unsafe Acts/Conditions: These reports are to be formally documented through the Unsafe Acts/Unsafe Conditions reporting process, using the designated form available on Re-flow. Reinforcement: Ongoing training and toolbox talks will remind all workers of their duty to actively monitor and report potential hazards.
Additional Controls		Housekeeping: Strict daily housekeeping protocols enforced. Cable Management: Use covers and elevate where possible. Lighting: Ensure all work areas are well-lit at all times. Weather Planning: Monitor and preemptively respond to forecasted weather hazards (e.g., moving heavy materials, drainage checks). PPE: All personnel must wear slip-resistant safety boots suitable for site conditions. Evacuation Routes: Kept free from slip/trip hazards at all times and regularly checked.

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RISK ASSESSMENT

Slips, Trips, and Falls

RA 068

Page 2 of 2

PERSONAL PROTECTIVE EQUIPMENT:

The following PPE will be required for the work activities stated. Ensure the correct TYPE of PPE is selected

														
✓	✓	✓	✓											

MONITORING ARRANGEMENTS:

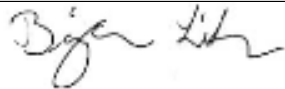
Inspection Logs: Maintained as part of SOS and reviewed weekly by site management.

Incident & Near-Miss Review: All slip/trip/fall incidents and near misses are to be recorded, investigated, and reviewed for learning and improvement.

INFORMATION, INSTRUCTION AND TRAINING

All Operatives are to be familiar with the contents of this assessment.

Remember: Always check in your safety manual for Company safety procedures and systems of work.

ASSESOR	SIGNED	CREATED: 27.04.2025.
Bojan Liker, HSEQ Manager		LAST REVIEW:



SUMMERLEAZE ACRES . MAGOR, MONMOUTHSHIRE, NP26 3DE

Telephone: 01633 880493/Fax: 01633 880001

www.southwalessportsgrounds.co.uk

Job Name:	Vaughan Park – Resolven
Task/Activity:	3G Conversion
Job Number:	C0428
RAMS version:	V1
Start/completion date	TBC

RAMS (Risk Assessment and Method Statement) SIGN SHEET:

The undersigned members of staff / site operatives have received verbal instruction, they have read and understood the Risk assessment & Method Statement relevant to the work they are about to undertake. They are aware of their responsibilities and agree to follow the safety precautions and procedures as highlighted.

The following persons have received the information from the above Risk Assessments, Method Statements and attached COSHH assessments

Name	Date	Signed	Name	Date	Signed