

Risk Assessments For Piling Works

Euro-City Eastern
152-156 Kentish Town Road
London
NW1 9QB



Prepared by:

26/01/2021

Simon Tapsell

Contract Number: 200809

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Management of Health and Safety at Work Regulations 1999

Legal Requirements

Regulation 3 of the Management of Health and Safety at Work Regulations 1999 requires employers to make suitable and sufficient assessment of the risks to the health and safety of their workers or any other person who may be affected by their undertakings and to record the significant findings of the assessments. This requirement also relates to the self-employed.

Recording

The recorded assessment should be an effective Statement of hazards and risks, which then leads management to take the relevant action to ensure health and safety. It needs to be part of the employer's overall approach to health and safety.

Contents

- All relevant hazards and risks should be addressed
- Consider what normally happens in the workplace or during work activity
- Consider who might be affected
- Take into account existing precautionary measures
- Show what control measures are to be put in place to ensure a safe system of work

Format

The enclosed form has been designed to assist in meeting the above requirements. A number of construction operations have been identified, together with associated risks and hazards and recommended control measures in generic form. The format has been designed so that when completed, it will be regarded as 'Site Specific'.

The assessor is invited to select from those generic hazards suggested, to indicate whether they are applicable and to add others, identifying the persons at risk and the risk product.

Quantative Evaluation

This is obtained by expressing in number form the **likelihood** of injury occurring during the proposed work and then the possible **severity** of such injury. Mark the 'Without controls' risk matrix with horizontal and vertical lines for the severity and the likelihood, where the two lines cross is the overall risk product. The risk product is obtained by multiplying the two numbers together, in consequence the higher the number the more serious the matter.

<p>Without controls</p> <table style="margin: auto;"> <tr> <td style="text-align: right; padding-right: 5px;">Severity</td> <td style="padding: 5px;">3</td> <td style="background-color: yellow; width: 30px; height: 20px;"></td> <td style="background-color: red; width: 30px; height: 20px;"></td> <td style="background-color: red; width: 30px; height: 20px;"></td> </tr> <tr> <td style="padding: 5px;">2</td> <td style="background-color: green; width: 30px; height: 20px;"></td> <td style="background-color: yellow; width: 30px; height: 20px;"></td> <td style="background-color: red; width: 30px; height: 20px;"></td> <td></td> </tr> <tr> <td style="padding: 5px;">1</td> <td style="background-color: green; width: 30px; height: 20px;"></td> <td style="background-color: green; width: 30px; height: 20px;"></td> <td style="background-color: yellow; width: 30px; height: 20px;"></td> <td></td> </tr> <tr> <td></td> <td></td> <td style="text-align: center; padding: 5px;">1</td> <td style="text-align: center; padding: 5px;">2</td> <td style="text-align: center; padding: 5px;">3</td> </tr> <tr> <td></td> <td></td> <td colspan="3" style="text-align: center; padding: 5px;">Likelihood</td> </tr> </table>	Severity	3				2					1							1	2	3			Likelihood			<p>With controls</p> <table style="margin: auto;"> <tr> <td style="text-align: right; padding-right: 5px;">Severity</td> <td style="padding: 5px;">3</td> <td style="background-color: yellow; width: 30px; height: 20px;"></td> <td style="background-color: red; width: 30px; height: 20px;"></td> <td style="background-color: red; width: 30px; height: 20px;"></td> </tr> <tr> <td style="padding: 5px;">2</td> <td style="background-color: green; width: 30px; height: 20px;"></td> <td style="background-color: yellow; width: 30px; height: 20px;"></td> <td style="background-color: red; width: 30px; height: 20px;"></td> <td></td> </tr> <tr> <td style="padding: 5px;">1</td> <td style="background-color: green; width: 30px; height: 20px;"></td> <td style="background-color: green; width: 30px; height: 20px;"></td> <td style="background-color: yellow; width: 30px; height: 20px;"></td> <td></td> </tr> <tr> <td></td> <td></td> <td style="text-align: center; padding: 5px;">1</td> <td style="text-align: center; padding: 5px;">2</td> <td style="text-align: center; padding: 5px;">3</td> </tr> <tr> <td></td> <td></td> <td colspan="3" style="text-align: center; padding: 5px;">Likelihood</td> </tr> </table>	Severity	3				2					1							1	2	3			Likelihood		
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<p>If risk product is high (6-9), can alternative method be used? <input type="checkbox"/> Yes or <input type="checkbox"/> No</p> <p>If NO, describe measures to be employed to control the risk & re-evaluate the risk product.</p>																																																			
<p>Risk of Injury – (Likelihood: High = 3; Moderate = 2; Low = 1)</p> <p>(Severity: Major injury = 3; Over three day injury = 2; Minor injury = 1)</p>																																																			

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Note:

- HAZARD... is defined as “the potential to cause harm”
- RISK... is defined as “the likelihood that the harm will occur”

Controls

The Assessor is invited to select from the list of suggested controls those that he feels should be implemented. Space is also provided for the inclusion of other controls considered necessary to deal with any circumstances relating to a particular site. Re-evaluate the risk product using the ‘With controls’ risk matrix. The controls are a minimum standard, understanding of the task, the circumstances may well lead to additional controls becoming good practice for all operatives involved.

Further Information

Further information can be obtained by reference to CITB Construction Site Safety Manual (GE700). This publication, which is updated annually, provides easy to understand information on the way that construction activities should be undertaken. Some Risk Assessments have additional information suggested at the end of the assessment.

Lone Working

Under no circumstances will ‘Lone Working’ be permitted on any site unless specific permission has been granted by The Director Responsible for Safety.

Method Statements

These Risk Assessments are to be read in conjunction with a site specific Method Statement which will go into greater detail as to how the task is to be carried out.

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Assessment No	Risk Assessment	Tick	Assessment No	Risk Assessment	Tick
RA01	Network Rail	✓	RA20	Site Electricity	✓
RA02	Concrete Pumping	✓	RA21	Working with Augers	✓
RA03	Placing of Concrete	✓	RA22	Pile Cases	✓
RA04	Piling Rig Operations	✓	RA23	Working Adjacent to Moving Plant	✓
RA05	CFA Piling	✓	RA24	Use of Abrasive Wheels	✓
RA06	Steel fixing	✓	RA25	Services (Underground & Overhead)	✓
RA07	Lifting Operations	✓	RA26	Working Rigs in Confined Areas	✓
RA08	Mobilisation/De-mobilisation & Deliveries	✓	RA27	Piling Rig Working Over or Near Excavations	✓
RA09	Manual Handling	✓	RA28	Underpinning Needles	✓
RA10	Personal Protective Equipment	✓	RA29	Maintenance of plant on Site	✓
RA11	Mixing Operations	✓	RA30	Driving Motor Vehicles on Company Business	✓
RA12	Portable Power Tools	✓	RA31	Breaking Down Piles	✓
RA13	Use of Plant on Site	✓	RA32	Working over Water	✓
RA14	Contaminated Ground	✓	RA33	Loading Pile Hammer	✓
RA15	Working at Height	✓	RA34	Housekeeping	✓
RA16	Vibration	✓	RA35	Inserting Steel Cages to CFA Bored Piles	✓
RA17	Excavations	✓	RA36	Cleaning CFA Concrete System	✓
RA18	Ground Beams & Pecafil Formwork	✓	RA37	Clearing Blockages	✓
RA19	Welding	✓	RA38	Noise Control	✓
RA39	Installing Secondary Auger Cleaner	✓	RA40	Coronavirus COVID-19	✓

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Risk Assessment:		RA 01 – Network Rail		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Rig Overturning <input checked="" type="checkbox"/> Falling spoil (augered) <input checked="" type="checkbox"/> Burst hoses/pipelines. <input checked="" type="checkbox"/> Failure of hose pipeline joints. <input checked="" type="checkbox"/> Reinforcement		9 6 6 6 6	2 2 4 4 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Piling Platform must be design by a competent temporary works engineer <input checked="" type="checkbox"/> Piling platform must be installed by a competent ground worker ensuring any soft ground has been removed and the piling platform is installed as the piling platform design. <input checked="" type="checkbox"/> Piling platform certificate must be signed by site management and piling platform checked daily for it condition. <input checked="" type="checkbox"/> Piling must always be kept perpendicular to the railway line and all turning / spragging to be carried out at the rear of each piling platform. <input checked="" type="checkbox"/> Main contractor to ensure that the piling platforms on each plot are wide enough for the rig to work in lines working away from the railway line and therefore reducing the length of time the rig spends on each plot. The rig must be able to straddle the perimeter piles. <input checked="" type="checkbox"/> Ensure at all times the auger cleaner is in working order and that all brushes are in place. Should spoil pass the auger cleaner then drill back down to allow second pass of the auger cleaner. <input checked="" type="checkbox"/> All flexible hose joints used on CFA rigs to be fitted with safety whipcheck device. <input checked="" type="checkbox"/> Regular inspection of hoses and pipelines for wear or damage. <input checked="" type="checkbox"/> Ensure all Concrete hanging pipes are all in good order and no more than 1 year old. <input checked="" type="checkbox"/> Carry out daily checks to ensure all concrete hoses and connections are in good order. <input checked="" type="checkbox"/> When moving reinforcement within 7m of the Network Rail fence it must always be moved in a horizontal position until at the pile position where the lift point will be adjusted to lift vertically and then lowered into the pile bore. <input checked="" type="checkbox"/> This risk assessment is an addition to all other risk assessments within this package and all other risks are relevant when working in proximity of Network Rail property.				

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Risk Assessment:		RA 02 – Concrete Pumping		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Cement burns. <input checked="" type="checkbox"/> Burst hoses/pipelines. <input checked="" type="checkbox"/> Failure of hose pipeline joints. <input checked="" type="checkbox"/> Moving parts on concrete mixer drum. <input checked="" type="checkbox"/> Slips/trips. <input checked="" type="checkbox"/> Crushing by reversing delivery vehicles. <input checked="" type="checkbox"/> Noise from concrete pump during pumping operation.		6 6 6 6 4 9 6	2 4 4 2 2 2 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> High standard of personal hygiene. <input checked="" type="checkbox"/> Regular inspection of hoses and pipelines for wear or damage. <input checked="" type="checkbox"/> All steel pipeline couplings made safe with split pin or lock-off device. <input checked="" type="checkbox"/> All flexible hose joints used on CFA rigs to be fitted with safety whipcheck device. <input checked="" type="checkbox"/> Ensure that all safety guards are fitted and maintained. <input checked="" type="checkbox"/> Visual check of drum contents is only to be made from the access ladder. <input checked="" type="checkbox"/> All personnel will ensure, daily, that a clean/tidy working platform is maintained. <input checked="" type="checkbox"/> Banksmen to control all reversing vehicles associated with the works. <input checked="" type="checkbox"/> Drum of agitator MUST be stationary before premix trucks are allowed to reverse. <input checked="" type="checkbox"/> Premix trucks MUST be reversed by the agitator operator who must remain in view of the driver while the truck is moving. <input checked="" type="checkbox"/> The agitator operator is under no circumstances to get between the agitator and the premix truck while the truck is moving. <input checked="" type="checkbox"/> The drum of the agitator must be stationary before any adjustments are made to the chute. <input checked="" type="checkbox"/> Ear defenders must be worn.				

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Risk Assessment:		RA 03 – Placing of Concrete		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Cement burns. <input checked="" type="checkbox"/> Eye damage from splashes. <input checked="" type="checkbox"/> Trapping by concrete lorries. <input checked="" type="checkbox"/> Use of wheelbarrows. <input checked="" type="checkbox"/> Use of dumpers see separate RA12. <input checked="" type="checkbox"/> Unprotected holes for piles.		6 6 9 6 9 6	2 2 4 4 4 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Refer to COSHH Assessment NFS.CA 05 when working with wet concrete. <input checked="" type="checkbox"/> All reversing lorries to be controlled by a banksman. <input checked="" type="checkbox"/> Lifting and pushing controls, slips, trips and falls. <input checked="" type="checkbox"/> Ensure clear route for wheelbarrows. <input checked="" type="checkbox"/> Adherence to the controls for the safe use of site plant (RA12). <input checked="" type="checkbox"/> All pile openings to be clearly marked or covered.				

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Risk Assessment:		RA 04 – Piling Rig Operations		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Rig overturning. <input checked="" type="checkbox"/> Tail swing trapping. <input checked="" type="checkbox"/> Falling spoil (augered) <input checked="" type="checkbox"/> Contact with underground services (see RA24). <input checked="" type="checkbox"/> Arcing or contact with overhead cables. <input checked="" type="checkbox"/> Materials or equipment falling from piling rig. <input checked="" type="checkbox"/> Falls from piling rig. <input checked="" type="checkbox"/> Shackles and ropes breaking. <input checked="" type="checkbox"/> Vibration damage to adjacent structures. <input checked="" type="checkbox"/> Striking by hammer when moving rig. <input checked="" type="checkbox"/> Open hole causing trip hazard/fall. <input checked="" type="checkbox"/> Entanglement with auger.		9 9 9 9 9 9 9 9 6 9 6 9	4 4 2 4 4 2 2 4 2 2 2 1	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat EN 397; Safety Footwear – Steel toe capped boots; Hand Protection – Suitable Gloves; High visibility Jacket or vest; Ear Protection – as relevant to the noise levels see COSHH Assessment; Eye Protection - Should comply with BS EN 166. <input checked="" type="checkbox"/> Construction, inspection and maintenance of working platform to be controlled. <input checked="" type="checkbox"/> Banksmen to control work area. <input checked="" type="checkbox"/> 600 mm minimum clearances to be maintained. <input checked="" type="checkbox"/> Adequate lighting in work area. <input checked="" type="checkbox"/> Spoil not permitted to ride up auger. <input checked="" type="checkbox"/> Only rig operatives permitted near the rig while it is working. <input checked="" type="checkbox"/> A survey will be conducted of area to be piled to locate underground and overhead services, location of which will be marked, warning notices posted and necessary barriers erected. <input checked="" type="checkbox"/> All hazards, which could affect stability of piling rig, will be identified, e.g. ground conditions, cellars etc. and necessary precautions taken. <input checked="" type="checkbox"/> A method Statement will be prepared in writing, agreed and held on site. <input checked="" type="checkbox"/> All operatives engaged in piling operations will be trained. Before commencement of work appropriate certificates of competence will be produced for inspection and retained on site. <input checked="" type="checkbox"/> All lifting appliances and gear must have appropriate certificates of test and thorough examination, copies of which will be retained at site level. Inspections to be recorded in appropriate register. <input checked="" type="checkbox"/> All operatives will wear head protection, safety footwear and use safety harness where necessary. <input checked="" type="checkbox"/> Noise assessments should be carried out and if necessary ear protection provided for all affected persons. <input checked="" type="checkbox"/> The work area should be defined and if necessary protected by barriers, signage, etc. <input checked="" type="checkbox"/> Provide clear/unobstructed approach to area suitable for heavy plant. <input checked="" type="checkbox"/> Check and inspection of all lifting equipment prior to use. <input checked="" type="checkbox"/> Hammer to be secured to the mast in two locations when rig is tracking to new location or mast being raised. <input checked="" type="checkbox"/> Protect all open holes with road pins and bunting or boards until concreted. Consider overnight situations. <input checked="" type="checkbox"/> Spoil is only to be cleared as it falls out under the protection gate or with the gate open.				

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Risk Assessment:		RA 05 – CFA Piling		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Placing auger bung. <input checked="" type="checkbox"/> Entrapment in moving auger. <input checked="" type="checkbox"/> Falling material. <input checked="" type="checkbox"/> Freshly concreted, open bores. <input checked="" type="checkbox"/> Tripping/Impalement on reinforcement.		9 9 9 9 9	4 1 2 2 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Refer to COSHH Assessment NFS.CA 05 when working with wet concrete. <input checked="" type="checkbox"/> Ensure rig is idle, brakes are on and no auger movement. <input checked="" type="checkbox"/> Banksman to control work area. <input checked="" type="checkbox"/> Piling Rig to have safety gate fitted and working at all times, unless given written authority from S Tapsell or N Miller. <input checked="" type="checkbox"/> Clean auger mechanically wherever possible. <input checked="" type="checkbox"/> Carry out visual check on auger to ensure that it is clear of debris, particularly when within 5m of the site boundary. <input checked="" type="checkbox"/> Cover new, open bores as soon as practicable. <input checked="" type="checkbox"/> Fit rebar caps as soon as cages in position.				

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Risk Assessment:		RA 06 – Steel fixing		Index
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i>				
<input checked="" type="checkbox"/> Falling cages		9	4	
<input checked="" type="checkbox"/> Injury to feet		6	2	
<input checked="" type="checkbox"/> Injury from fixing wire		6	2	
<input checked="" type="checkbox"/> Handling		6	2	
<input checked="" type="checkbox"/> Lifting		6	2	
<input checked="" type="checkbox"/> Tripping		6	2	
<input checked="" type="checkbox"/> Plant vehicle movement		6	2	
<input checked="" type="checkbox"/> Injury from welding activity		6	2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels. Eye Protection should comply with BS EN 166 and EN 172 (if cutting). <input checked="" type="checkbox"/> Welders to wear appropriate welding coveralls/gloves to EN ISO 11611 2007. <input checked="" type="checkbox"/> Ensure designated compacted, level fixing area with barriers, separate from construction activity and moving plant. <input checked="" type="checkbox"/> Use correct fixing stands, using extending “stability riggers” if necessary. <input checked="" type="checkbox"/> Ensure that cages have enough ties and braces to allow safe slinging. <input checked="" type="checkbox"/> Keep work area tidy and dispose of wire scraps into a container. <input checked="" type="checkbox"/> Tails on ties to be bent over to reduce projection. <input checked="" type="checkbox"/> Assistance/mechanical lifting aids: weights of individual items of rebar are to be provided by steel provider. Those weighing above 20kg are to be lifted by 2 operatives. Completed cages weighing up to 40kg can be lifted by 2 operatives, use mechanical means above this weight. Operatives to wear appropriate PPE, gloves, steel toe cap/midsole footwear, hard hats and hi-vis vest. <input checked="" type="checkbox"/> Protective caps to be fitted to rebars. <input checked="" type="checkbox"/> Good housekeeping. <input checked="" type="checkbox"/> Steel fixers to be issued with and to wear class F eye protection. Flame retardant screens to be provided when welding in progress. <input checked="" type="checkbox"/> Ensure any combustibles are removed from the area. Use coded welders only. Compliance with PC hot works permit.				

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Risk Assessment:		RA 07 – Lifting Operations		Index
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Failure of lifting equipment. <input checked="" type="checkbox"/> Handling errors. <input checked="" type="checkbox"/> Slips, trips and falls. <input checked="" type="checkbox"/> Improper planning. <input checked="" type="checkbox"/> Trapping. <input checked="" type="checkbox"/> Falls. <input checked="" type="checkbox"/> Crane overturn. <input checked="" type="checkbox"/> Tail swing entrapment. <input checked="" type="checkbox"/> Falls of equipment. <input checked="" type="checkbox"/> Displaced/falling loads		6 6 6 6 6 9 9 9 9	2 2 2 2 2 4 2 2 4 4	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Detailed planning and preparation is essential. <input checked="" type="checkbox"/> The most suitable lifting equipment must be selected. <input checked="" type="checkbox"/> A safe system and method Statement must be implemented. <input checked="" type="checkbox"/> Erection and dismantling must only be undertaken by trained and competent crew. <input checked="" type="checkbox"/> Safety harnesses must be worn and clipped on for all work off the ground. <input checked="" type="checkbox"/> All lifting equipment must be fully certified, regularly checked by a competent person. <input checked="" type="checkbox"/> All lifting equipment must be capable of safely lifting the load. <input checked="" type="checkbox"/> All operatives must be fully trained and aware of the operations around them. <input checked="" type="checkbox"/> Qualified slinger/signaller to take overall control of the lift. <input checked="" type="checkbox"/> Slinger/signaller to wear hi-visibility vest or jacket. <input checked="" type="checkbox"/> All outriggers to be fully deployed in accordance with manufacturers recommendations. <input checked="" type="checkbox"/> Pressure pads to be used under jack legs. <input checked="" type="checkbox"/> 600 mm clearances to be maintained. <input checked="" type="checkbox"/> Adequate lighting to be available in work area. <input checked="" type="checkbox"/> Large or unwieldy loads to be controlled by tag line. <input checked="" type="checkbox"/> All lifting equipment and accessories to comply with the Lifting Operations, Lifting Equipment Regulations 1998 (LOLER). <input checked="" type="checkbox"/> Lifting operations must be carried out on a firm and level surface.				
Additional controls considered necessary and further information:				
<input checked="" type="checkbox"/> Refer to LOLER Regulations.				

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Risk Assessment:		RA 08 – Mobilisation/De-mobilisation & Deliveries		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Truck movements. <input checked="" type="checkbox"/> Falls. <input checked="" type="checkbox"/> Entrapment. <input checked="" type="checkbox"/> Falls of equipment.		6 6 6 6	2 2 2 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Manoeuvre all vehicles using a trained banksman. <input checked="" type="checkbox"/> Use mobile scaffold towers fitted with handrails, toeboards, outriggers and safety harness. <input checked="" type="checkbox"/> All site crew to be trained and competent. <input checked="" type="checkbox"/> Maintain minimum 600mm clearance from adjacent plant, machinery and fixed objects. <input checked="" type="checkbox"/> The work to be controlled by one person (i.e. Foreman/Ganger). <input checked="" type="checkbox"/> All lifting equipment and accessories to comply with the Lifting Operations, Lifting Equipment Regulations 1998 (LOLER). <input checked="" type="checkbox"/> Large or unwieldy loads to be controlled by a securely fastened tag line. <input checked="" type="checkbox"/> Follow rigging procedures detailed in relevant rig manual. <input checked="" type="checkbox"/> Observe site speed restrictions.				

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Risk Assessment:		RA 09 – Manual Handling		Index
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Risk of fractures, sprains and strains, mainly of the back/upper part of the body. <input checked="" type="checkbox"/> Damage to the back from the initial lift. <input checked="" type="checkbox"/> Damage to the back when manoeuvring, lowering. <input checked="" type="checkbox"/> Cuts from bars and tying wire. <input checked="" type="checkbox"/> Stability of load causing slips, trips and falls. <input checked="" type="checkbox"/> Carrying of load to destination.		6	2	
		6	4	
		6	4	
		6	2	
		6	4	
		6	2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Use mechanical means wherever possible. <input checked="" type="checkbox"/> Ask for assistance if the load is too heavy. <input checked="" type="checkbox"/> Break the load down into manageable pieces. <input checked="" type="checkbox"/> Adopt good handling techniques, use the legs rather than the back. <input checked="" type="checkbox"/> Plan the lift, is help required. <input checked="" type="checkbox"/> Ensure that the entire area is free from obstructions. <input checked="" type="checkbox"/> Stand with the feet apart to give a balanced and stable base for lifting. <input checked="" type="checkbox"/> Adopt a good posture, get a good grip on the load and keep the load close to the body. <input checked="" type="checkbox"/> Work to be carried out on a firm and level surface. <input checked="" type="checkbox"/> Refer to Manual Handling chart.				
<p>The chart shows recommended weight limits for men and women at different heights. For men, the limits are: Shoulder height (10kg/5kg), Elbow height (20kg/10kg), Knuckle height (25kg/15kg), and Mid lower leg height (20kg/10kg). For women, the limits are: Shoulder height (3kg/7kg), Elbow height (7kg/13kg), Knuckle height (10kg/16kg), and Mid lower leg height (7kg/13kg).</p>				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 10 – PPE		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Head injuries. <input checked="" type="checkbox"/> Eye injuries. <input checked="" type="checkbox"/> Hearing loss. <input checked="" type="checkbox"/> Foot injuries. <input checked="" type="checkbox"/> Hand injuries.		6 6 6 6 6	2 2 2 2 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Each operative should check the condition of their PPE prior to use. <input checked="" type="checkbox"/> All PPE should be carefully stored after use. <input checked="" type="checkbox"/> Safety helmets should be worn on site at all times, they must be replaced if cracked or damaged. <input checked="" type="checkbox"/> Helmets should comply with BS EN 397. <input checked="" type="checkbox"/> Eye protection must be worn when using power tools, concreting etc to protect from splashes, dust and sparks. <input checked="" type="checkbox"/> Eye protection should comply with BS EN 166. Goggles to BS EN 166 B (For Abrasive Wheels Work). <input checked="" type="checkbox"/> Hearing protection to BS EN 352 must be worn when required. <input checked="" type="checkbox"/> Protective footwear to BS EN 345 or BS EN ISO 20345 must be worn on site. <input checked="" type="checkbox"/> Suitable gloves for the task should be worn to protect the hands from injury which conform to BS EN 388. <input checked="" type="checkbox"/> Barrier creams must be available and used. <input checked="" type="checkbox"/> Overalls should be worn to protect against dirt, dust, grease and oils. <input checked="" type="checkbox"/> Specialist overalls to protect against contamination (i.e. disposable) with appropriate changing facilities.				
NB: All PPE must be selected so that it is compatible with all other items in use				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 11 – Mixing Operations		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Dust inhalation. <input checked="" type="checkbox"/> Pressure build up in pipelines. <input checked="" type="checkbox"/> Eye damage from splashes. <input checked="" type="checkbox"/> Cement burns. <input checked="" type="checkbox"/> Wheelbarrows.		6 6 6 6 6	2 2 2 2 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Wear face masks. <input checked="" type="checkbox"/> Ensure all pipes joints have whipchecks. <input checked="" type="checkbox"/> Ensure that route is clear of debris and unobstructed. <input checked="" type="checkbox"/> Refer to COSHH assessments NFS .CA .05 and 13 for safe use of cement dust and wet cement.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 12 – Portable Power Tools		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Noise. <input checked="" type="checkbox"/> Vibration. <input checked="" type="checkbox"/> Compressors, hoses and connections. <input checked="" type="checkbox"/> Electric shock. <input checked="" type="checkbox"/> Hair or clothing becoming entangled in moving parts. <input checked="" type="checkbox"/> Eye injuries from dust, swarf or other fragments. <input checked="" type="checkbox"/> Wrist and hand injuries due to tool jamming or binding. <input checked="" type="checkbox"/> Hand/arm vibration syndrome (HAVS). <input checked="" type="checkbox"/> Air/hydraulic lines becoming detached or bursting due to damage. <input checked="" type="checkbox"/> Trip hazards.		6 6 6 9 6 6 6 6 6 6	2 2 2 4 2 2 2 2 2 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Suitable RPE to be worn where there is a foreseeable dust hazard. <input checked="" type="checkbox"/> All power feeds, electrical, pneumatic or hydraulic, to comply with European or British Standards and maintained in good condition. <input checked="" type="checkbox"/> Where practicable only 110v electrical tools will be used. <input checked="" type="checkbox"/> Loose clothing and long hair to be kept clear of moving parts of power tools. <input checked="" type="checkbox"/> Operatives shall be trained in the correct use of portable tools. <input checked="" type="checkbox"/> Silencers/sound reducing shrouds to be used. <input checked="" type="checkbox"/> Regular rest/change over periods. <input checked="" type="checkbox"/> Inspect plant and hoses before use. <input checked="" type="checkbox"/> Regular maintenance and inspection of plant by a competent person. <input checked="" type="checkbox"/> Pressure relief valves must be fitted where required. <input checked="" type="checkbox"/> Compressor hose clamps must be secure and joints fitted with whipchecks. <input checked="" type="checkbox"/> Correct, undamaged blades to be used. <input checked="" type="checkbox"/> Blades to be changed by trained operative. <input checked="" type="checkbox"/> Guards must be in place and operable. <input checked="" type="checkbox"/> Vibration see RA15. <input checked="" type="checkbox"/> Keep extension cables tidy. <input checked="" type="checkbox"/> Trainees must be closely supervised.				
Additional controls considered necessary and further information:				
<input checked="" type="checkbox"/> See risk assessment number RA 15 for further controls to prevent hand/arm vibration syndrome. <input checked="" type="checkbox"/> Refer to The Provision and Use of Work Equipment Regulations 1998. <input checked="" type="checkbox"/> Refer to the Operator Manual.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 13 – Use of Plant on Site		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Trapping of personnel. <input checked="" type="checkbox"/> Collision with other plant or structures. <input checked="" type="checkbox"/> Falls of equipment <input checked="" type="checkbox"/> Collision with other vehicular traffic plant or pedestrians. <input checked="" type="checkbox"/> Arcing or contact with power cables or other overhead obstruction. <input checked="" type="checkbox"/> Overturning. <input checked="" type="checkbox"/> Falls of materials from machine.		6 6 6 9 9 9 6	2 2 2 4 4 2 4	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Operators will be competent, trained, certificated and authorised to operate the plant and be responsible for daily checks and maintenance, reporting of defects and completion of registers. <input checked="" type="checkbox"/> Plant must have evidence of a thorough examination, by a competent person, within the previous 12 months. This evidence is to be retained on site. <input checked="" type="checkbox"/> All lifting operations to be planned by a competent person and controlled by a qualified slinger/signaller. <input checked="" type="checkbox"/> Loads being transported must be stable and securely held. <input checked="" type="checkbox"/> Large and unwieldy loads to be controlled by tag line. <input checked="" type="checkbox"/> Outriggers, when required, to be fully deployed in accordance with manufacturers recommendations. <input checked="" type="checkbox"/> All lifting equipment and accessories to comply with the Lifting Operations, Lifting Equipment Regulations 1998 (LOLER). <input checked="" type="checkbox"/> Consideration will be given to terrain, loading requirements etc., in selecting suitable plant for use. <input checked="" type="checkbox"/> All overhead obstructions including cables will be identified and if necessary fenced off, shrouded and protected in accordance with HSE Guidance Note GS 6. <input checked="" type="checkbox"/> Operators will be in possession of information as to capabilities and restrictions placed on use of plant, particularly the safe working load, and must ensure limits are not exceeded. <input checked="" type="checkbox"/> Access to all loading/off-loading points will be levelled, suitable and clear of obstruction. <input checked="" type="checkbox"/> Provide safe route for movement of plant to avoid contact with other traffic, including pedestrians. <input checked="" type="checkbox"/> Mirrors (including convex type) and/or other equipment (i.e. CCTV) must be in place to ensure maximum driver visibility. <input checked="" type="checkbox"/> Dumpers to be equipped with hazard warning beacon. <input checked="" type="checkbox"/> Provide a banksman to assist where visibility is restricted. <input checked="" type="checkbox"/> Operators will be required to know the weight of materials to be raised before commencing a lift. <input checked="" type="checkbox"/> Plant must be equipped with ROPS and driver seat restraint, which will be used. <input checked="" type="checkbox"/> No passengers will be carried.				
Additional controls considered necessary and further information:				
<input checked="" type="checkbox"/> Refer to the Operator Manual.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 14 – Contaminated Ground		Index
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Environmental hazard i.e. Leptospirosis <input checked="" type="checkbox"/> Contamination of water by leakage, spillage from earlier site activities		6 6	4 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Appropriate PPE to be provided together with necessary washing facilities. <input checked="" type="checkbox"/> Environmental hazards - obtain details of precaution to be taken for Leptospirosis from the Safety Advisor. <input checked="" type="checkbox"/> Storage procedures on site to be arranged so that spillages or leaks are not able to enter water. <input checked="" type="checkbox"/> Knowledge of site investigation.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 15 – Working at Height		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Falls from height <input checked="" type="checkbox"/> Falls of material from height <input checked="" type="checkbox"/> Structural collapse <input checked="" type="checkbox"/> Lifting appliances overturning <input checked="" type="checkbox"/> Arcing, contact or damage to overhead and underground services		9 9 9 9 9	6 6 6 4 4	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Survey of site to be conducted to determine: condition of ground and safe routes of access for vehicular traffic; location of any overhead and underground services; proximity of other buildings and members of public; anticipated activities of other contractors; any suspected contamination and other known hazards. <input checked="" type="checkbox"/> Method Statement to be checked and approved by senior management. <input checked="" type="checkbox"/> Only trained operatives, who will be given instruction and information, will be permitted to work on the structure/equipment. <input checked="" type="checkbox"/> Method Statement to be prepared in a logical planned sequence of action. The Statement to include details of: - the company structure and person responsible for supervision; vehicular access to and from site; delivery sequence; storage of component parts; making safe power cables and services; details of lifting appliance and gear requirements; rig siting (plan) and preparation of hard standing for rig; detailed method of erection of rig to ensure stability; means of access to the workplace. Any other safety factors to be considered e.g. restricted areas, wearing of safety harness and head protection etc. (See H S E Guidance Note).				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB											
Risk Assessment:		RA 16 – Vibration											<u>Index</u>	
Hazards identified													Risk of Injury	
													Without Controls	With Controls
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Specify type of equipment/operation and m/s ² rating here: <input checked="" type="checkbox"/> Hand/arm Vibration Syndrome (HAVS) - a general term embracing injuries such as: <input checked="" type="checkbox"/> Vibration white finger (Reportable disease under RIDDOR). <input checked="" type="checkbox"/> Carpel Tunnel Syndrome. <input checked="" type="checkbox"/> Permanent and painful numbness and tingling in the hands and arms. <input checked="" type="checkbox"/> Painful joints and muscle weakening. <input checked="" type="checkbox"/> Damage to bones in the hands and arms.													6 6 6 6 6 6 6	4 4 4 4 4 4 4
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other												
Controls Considered Necessary:														
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Where hand-held or hand-guided tools are unavoidable, select power tool with lowest vibration level and which may also allow certain hand free operation, which is suitable for the work and conditions. <input checked="" type="checkbox"/> Establish m/s ² level and prevent users exceeding recommended time limits. (See Table 1 over). <input checked="" type="checkbox"/> Specify maximum duration of exposure here: <input checked="" type="checkbox"/> Job rotation or similar measures to prevent/reduce risk of injury. <input checked="" type="checkbox"/> Keep tool properly maintained to sustain its best low vibration performance and the cutting bit sharp to avoid undue grip and pressure. <input checked="" type="checkbox"/> Train and provide information for operatives on: <ul style="list-style-type: none"> The safe and correct use and maintenance of the tool; The nature and risk of HAVS, the signs and symptoms. <input checked="" type="checkbox"/> Maintain good blood circulation by keeping warm and dry. (Operative should wear gloves to keep hands warm and to prevent contact with cold surfaces and avoid or reduce smoking). <input checked="" type="checkbox"/> Any signs of vibration injury to be reported to site management for investigation. <input checked="" type="checkbox"/> Operatives experiencing symptoms to be temporarily placed on other work, or have periods of vibration exposure reduced pending improvement and/or medical advice. <input checked="" type="checkbox"/> A system of health surveillance to be established should vibration exposure regularly exceed the action level or where an operative has a history of such a condition.														
Table 1 - HAV Exposure Limits														
Vibration m/s ²	2	2.8	3	4	5	6	7	8	9	10	11	12	13	
Time in minutes	960	480	420	240	180	165	85	60	46	37	31	26	23	
Vibration m/s ²	14	15	16	17	18	19	20	21	22	23	24	25	26	
Time in minutes	19	16	15	13	11	10	10	9	8	7	6	6	5	
NOTE: Before starting any task operatives are to obtain the vibration value and record, daily, the time spent working on any vibrating tools (drills, breakers, sanders etc.)														

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 17 – Excavations		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Collapse of unsupported excavations. <input checked="" type="checkbox"/> Falling into unfenced excavations. <input checked="" type="checkbox"/> Materials or plant falling into excavations. <input checked="" type="checkbox"/> Contact with underground services i.e. electric, gas, water, etc. <input checked="" type="checkbox"/> Struck by excavator. <input checked="" type="checkbox"/> Contaminated ground.		9 9 9 9 9 6	6 6 4 6 4 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Accurate location of underground services by operatives trained in the use of locating equipment. <input checked="" type="checkbox"/> Planned provision and use of excavation support equipment by competent person. <input checked="" type="checkbox"/> Warning signs, adequate fencing, or covering for excavations and excavations back filled as soon as practicable. <input checked="" type="checkbox"/> Materials to be stock piled a suitable distance clear of the edge of the excavation. <input checked="" type="checkbox"/> Wheel stops to be used to prevent plant and vehicles over running the edge. <input checked="" type="checkbox"/> Proper ladder access with the ladder tied and extending 1.05m above the top of the excavation. <input checked="" type="checkbox"/> Ladder access to be into the supported part of the excavation. <input checked="" type="checkbox"/> Machines shall not be used within 500mm of underground services. <input checked="" type="checkbox"/> Inspection at commencement of shift by a competent person and recorded. <input checked="" type="checkbox"/> Head protection to be worn by all operatives working in the excavation or close to excavations. <input checked="" type="checkbox"/> Only suitable and tested lifting equipment to be used. <input checked="" type="checkbox"/> Excavators and other plant to be operated by trained certificated and authorised operators. <input checked="" type="checkbox"/> Take appropriate action to avoid contact with overhead power lines. <input checked="" type="checkbox"/> Batter excavations where practical/ lower adjacent ground. <input checked="" type="checkbox"/> Excavations NOT to be entered unless protection is in place. <input checked="" type="checkbox"/> Strut trenches to support. <input checked="" type="checkbox"/> Suitable supervision to be on site at all times. <input checked="" type="checkbox"/> Water ingress to be kept to a minimum. <input checked="" type="checkbox"/> Open excavations to be protected, covered and barriers placed prior to works commencing.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 18 – Ground Beams and Pecafil Formwork		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Cement burns. <input checked="" type="checkbox"/> Eye damage from splashes. <input checked="" type="checkbox"/> Trapping by concrete lorries. <input checked="" type="checkbox"/> Penetrating wounds from reinforcement. <input checked="" type="checkbox"/> Cutting of Pecafil Formwork. <input checked="" type="checkbox"/> Placing steel hazards see RA05 <input checked="" type="checkbox"/> Breaking down pile see RA30		6 9 9 6 6 9 6	2 2 4 2 2 4 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Care when handling/placing formwork to avoid piercing injuries from sharp reinforcement wire, gloves to be worn when handling/placing. <input checked="" type="checkbox"/> All reversing lorries to be controlled by a banksman. <input checked="" type="checkbox"/> Refer to COSHH assessments NFS .CA .05 and 13 for safe use of cement dust and wet cement.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 19 – Welding		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Fire and explosions. <input checked="" type="checkbox"/> Burns. <input checked="" type="checkbox"/> Eye injuries and 'Arc eye'. <input checked="" type="checkbox"/> Electric shock. <input checked="" type="checkbox"/> Exposure to fumes and gases. <input checked="" type="checkbox"/> Exposure to heat. <input checked="" type="checkbox"/> Respiratory disease. <input checked="" type="checkbox"/> Hearing damage. <input checked="" type="checkbox"/> Plant or equipment damaged or destroyed. <input checked="" type="checkbox"/> Injury to persons. <input checked="" type="checkbox"/> Arson.		9 6 6 9 6 6 6 6 6 6 9 6	6 4 2 4 2 2 2 2 2 2 4 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Suitable RPE to be worn. <input checked="" type="checkbox"/> Only competent and authorised operatives shall carry out welding/burning processes. <input checked="" type="checkbox"/> All cylinders used in welding processes should be kept and moved in trolleys or securely fastened in vertical position. <input checked="" type="checkbox"/> Hoses must be in good order and cylinders protected with flashback arrestors. <input checked="" type="checkbox"/> Naked flames must not be permitted to play on cylinders and never left unattended. <input checked="" type="checkbox"/> All equipment will be used in accordance with manufacturer's instructions and must be inspected before use to ensure it is safe. <input checked="" type="checkbox"/> Suitable and sufficient ventilation will be provided to remove harmful fumes and gases. <input checked="" type="checkbox"/> Adequate ventilation shall be provided to prevent heat stress. <input checked="" type="checkbox"/> Area of work will be screened as necessary to protect others from welding hazards. <input checked="" type="checkbox"/> Suitable and sufficient portable fire-fighting equipment will be provided – users shall be trained. <input checked="" type="checkbox"/> All persons on site will receive fire awareness training at site induction. <input checked="" type="checkbox"/> Display adequate emergency procedures notices and means of raising the alarm. <input checked="" type="checkbox"/> Highly flammable liquids and LPG shall be stored in the open air and the necessary signs posted. <input checked="" type="checkbox"/> Where necessary, hot-work and burning operations will be controlled by a <i>Hot-work permit</i> . <input checked="" type="checkbox"/> Plant powered by internal combustion engines will only be used in well-ventilated areas. <input checked="" type="checkbox"/> All mobile plant will carry a suitable fire extinguisher. <input checked="" type="checkbox"/> Suitable and sufficient measures will be taken to prevent unauthorised access to the site. <input checked="" type="checkbox"/> No Hot Works allowed within one hour of ceasing work.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 20 – Site Electricity		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Electrocution of operatives or other persons. <input checked="" type="checkbox"/> Damage or misuse of supply. <input checked="" type="checkbox"/> Arcing or contact with overhead cables by transport or equipment. <input checked="" type="checkbox"/> Contact with underground electric cables. <input checked="" type="checkbox"/> Trip hazards.		9 9 9 9 6	4 2 4 4 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Electrical installations will only be made by qualified and competent persons who will issue certificates on completion of work, which will be retained on site. <input checked="" type="checkbox"/> Qualified persons will test all portable electrical equipment at regular intervals i.e. annually in offices, six monthly in workshops and three monthly on sites. Certificates of test will be retained. <input checked="" type="checkbox"/> Electrical equipment will be permitted to be used only if it complies with the above. <input checked="" type="checkbox"/> Electrical equipment or supplies will not be used in such a manner so as to cause danger or injury. <input checked="" type="checkbox"/> Electrical equipment will be suitable for the task and comply with the relevant standard. <input checked="" type="checkbox"/> Electrical installations or equipment which may be exposed to mechanical damage, inclement weather or other harmful conditions will be constructed and protected, so as not to cause danger of injury to operatives or other persons (See HSE Guidance Notes). <input checked="" type="checkbox"/> 110-volt electrical equipment will be used, so far as is practicable, on construction or civil engineering projects; unless requirement to use further reduced voltage equipment is specified. <input checked="" type="checkbox"/> Where overhead power lines are likely to cause danger, the owners of the cable will be consulted and, if required, 'shrouds' fitted or suitable fencing and barriers erected, at least 6 m from power lines to prevent access, so as to comply with requirements HSE Guidance Note GS6. <input checked="" type="checkbox"/> If required to work under or near overhead power lines a permit to work system should be implemented, if necessary. <input checked="" type="checkbox"/> Routes of all underground electricity supplies will be traced, locations marked and notices posted. <input checked="" type="checkbox"/> Excavators and power tools will not be used within 500 mm of underground cables, unless a safe system of work is established. Use of permits to work may be necessary in some cases. <input checked="" type="checkbox"/> A competent person will supervise all work adjacent to overhead or underground electrical supplies. <input checked="" type="checkbox"/> All portable generators will be used in accordance with the manufacturer's instructions. <input checked="" type="checkbox"/> All site operatives should be aware of how to isolate the site supply in the event of an emergency. <input checked="" type="checkbox"/> Cables to be routed overhead or around perimeter of working area. <input checked="" type="checkbox"/> Fire extinguishers. <input checked="" type="checkbox"/> If using existing supply ensure that it has been checked by a competent electrician and a certificate issued.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 21 – Working with Augers		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Clothing entanglement with auger. <input checked="" type="checkbox"/> Falling into bored auger hole. <input checked="" type="checkbox"/> Crushing by auger. <input checked="" type="checkbox"/> Falling material from auger. <input checked="" type="checkbox"/> Slip/trip on pile arising. <input checked="" type="checkbox"/> Manual handling hazards.		9 6 9 6 6 6	4 2 4 2 2 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Ensure that correct lifting technique is applied when moving augers use lifting devices wherever possible. <input checked="" type="checkbox"/> Clear auger of all spoil as it is brought from the ground, but only while auger is stationary. <input checked="" type="checkbox"/> Rig to be set up on flat surface, free of obstructions. <input checked="" type="checkbox"/> No loose clothing to be worn around auger. <input checked="" type="checkbox"/> Sufficient operatives to be available to operate auger safely. <input checked="" type="checkbox"/> All certification for rig to be valid, including chains, shackles and ropes. <input checked="" type="checkbox"/> Pile holes to be covered or concreted while extracting auger to prevent falling. <input checked="" type="checkbox"/> Spoil should not be allowed to build up around the working area or allowed to remain on the auger above waist height.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 22 – Pile Cases		Index
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Crushing. <input checked="" type="checkbox"/> Manual handling. <input checked="" type="checkbox"/> Cuts.		9 6 6	4 2 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Gloves are to worn when lifting or handling pile casings. <input checked="" type="checkbox"/> Avoid situations where entrapment is likely, do not stack so that piles can be moved particularly by children. <input checked="" type="checkbox"/> Use lifting equipment wherever possible to avoid lifting altogether. <input checked="" type="checkbox"/> Ensure correct lifting technique is used when lifting. <input checked="" type="checkbox"/> Use team lifting where the load is more than 25kg. <input checked="" type="checkbox"/> Ensure that work area and route is clear of obstructions. <input checked="" type="checkbox"/> Take extra care when working in wet conditions.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 23 – Working Adjacent to Moving Plant		Index
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Collision with moving plant. <input checked="" type="checkbox"/> Crushing. <input checked="" type="checkbox"/> Impact with moving plant. <input checked="" type="checkbox"/> Plant falling over. <input checked="" type="checkbox"/> Noise.		6 9 9 6 6	2 4 4 2 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> All plant to be certified and inspected as required. <input checked="" type="checkbox"/> Operators to be trained and certified. <input checked="" type="checkbox"/> Banksman to control moving plant. <input checked="" type="checkbox"/> Other operatives to be made aware of working conditions. <input checked="" type="checkbox"/> Only essential operatives to work with piling rig. <input checked="" type="checkbox"/> Movement of the rig to be adequately supervised. <input checked="" type="checkbox"/> Level piling mat to be provided. <input checked="" type="checkbox"/> Speed restrictions to be in place and enforced. <input checked="" type="checkbox"/> One designated operative to control/coordinate all plant movements.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 24 – Use of Abrasive Wheels		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Burst wheel/disc. <input checked="" type="checkbox"/> Contact with wheel/disc. <input checked="" type="checkbox"/> Entanglement with moving parts. <input checked="" type="checkbox"/> Flying particles from fractured wheel/disc. <input checked="" type="checkbox"/> Flying particles from cutting or grinding operations. <input checked="" type="checkbox"/> Flying particles of dust. <input checked="" type="checkbox"/> Noise. <input checked="" type="checkbox"/> Vibration.		9 6 6 6 6 4 4 4	6 6 6 4 2 2 2 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Respiratory protection must be worn when required. <input checked="" type="checkbox"/> Adequate numbers of operatives should be trained and appointed to mount abrasive wheels and discs. <input checked="" type="checkbox"/> Correct types of wheels/discs to be fitted for material being cut. <input checked="" type="checkbox"/> Discs to be inspected for damage before being fitted. <input checked="" type="checkbox"/> Loose clothing should not be worn. <input checked="" type="checkbox"/> Restrictions on vibration exposure to be followed. <input checked="" type="checkbox"/> Unauthorised persons to be kept away from cutting/grinding operations. <input checked="" type="checkbox"/> Ventilation. <input checked="" type="checkbox"/> All cutting discs are to be removed from cutting equipment while in vehicles.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 25 – Services (Underground and Overhead)		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Contact with underground power cables. <input checked="" type="checkbox"/> Electrocution. <input checked="" type="checkbox"/> Explosion. <input checked="" type="checkbox"/> Rupturing of gas pipes leading to leaks, fire or explosion. <input checked="" type="checkbox"/> Rupturing of water pipes causing flooding and damage. <input checked="" type="checkbox"/> Cutting of underground telecommunications and interrupting services. <input checked="" type="checkbox"/> Rupturing of drains, sewers, culverts etc., and causing health hazards. <input checked="" type="checkbox"/> Collapse of manholes. <input checked="" type="checkbox"/> Arcing, contact or damage to overhead services		9 9 9 9 6 6 6 6 9	6 6 6 6 4 2 2 2 4	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input checked="" type="checkbox"/> General public <input checked="" type="checkbox"/> Client personnel <input checked="" type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Check with Management prior to any excavation, driving or boring. <input checked="" type="checkbox"/> Ensure that all services within the ground have been uncovered, disconnected or marked out clearly. <input checked="" type="checkbox"/> If a gas pipe is ruptured, persons in the area should be evacuated and steps taken to prevent ignition of gas. <input checked="" type="checkbox"/> Once a smell of gas/sewage stop work and seek advice. <input checked="" type="checkbox"/> If an electricity cable is struck everyone should be kept clear of the area until made safe. No person should touch any plant or equipment involved. If the operator is within the plant they must jump clear and NOT step down from the machine. <input checked="" type="checkbox"/> Any damage to buried services must be reported to the appropriate utility immediately. <input checked="" type="checkbox"/> Do not attempt to fix or touch damaged services. <input checked="" type="checkbox"/> Ensure that manhole covers are clearly visible and in good condition before and after operations. <input checked="" type="checkbox"/> Prior to commencement of excavation, all public and local utilities will be requested to provide information of services in the ground of the proposed work area, consult safety file if applicable. <input checked="" type="checkbox"/> Where services are believed to be present, steps will be taken to establish exact positions and routes (i.e. use cable locating equipment), which will be identified and marked with warning signs. <input checked="" type="checkbox"/> The depth at which the services are situated will be established by hand digging trial holes. <input checked="" type="checkbox"/> Excavators and power tools should not be used within 500mm of a known buried service. <input checked="" type="checkbox"/> Height restrictions to be in place, barriers/warnings to be erected around affected areas. <input checked="" type="checkbox"/> Establish communications with Utility Company before work commences.				
Additional controls considered necessary and further information:				
<input checked="" type="checkbox"/> Refer to HSG (SIA8 rev2)				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 26 – Working Rig in Confined Areas		Index
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Crushing of operatives. <input checked="" type="checkbox"/> Asphyxiation. <input checked="" type="checkbox"/> Dust. <input checked="" type="checkbox"/> Noise.		9 9 6 6	4 4 4 4	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Where dust is a possible problem the area will be damped down to control dust levels and masks must be worn. <input checked="" type="checkbox"/> Hearing protection will be worn while machines are running. <input checked="" type="checkbox"/> 600mm minimum clearance to be provided between rig and any fixed object. <input checked="" type="checkbox"/> Engines not to be run in confined spaces unless there is no alternative, if so exhaust extraction must be used. <input checked="" type="checkbox"/> Redesign to suit conditions. <input checked="" type="checkbox"/> Air monitoring to take place.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 27 – Rig Working Over or Near Excavations		Index
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Collapse of excavations. <input checked="" type="checkbox"/> Asphyxiation of others in excavation. <input checked="" type="checkbox"/> Overturning of rig. <input checked="" type="checkbox"/> Falls of operatives into excavations.		9 9 9 6	4 4 4 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> The rig is not to be positioned closer than 1.5 times the depth of the excavation without the excavations being shored to the engineer's requirements or backfilled to prevent collapse. <input checked="" type="checkbox"/> Operatives are not to be allowed to work in any nearby excavation while piling operations are being carried out. <input checked="" type="checkbox"/> Where excavations are shored to prevent collapse, barriers are to be erected to prevent anyone from falling in. <input checked="" type="checkbox"/> Materials are to be stored well away from the edge of the excavation. <input checked="" type="checkbox"/> Rigs should not be set up over trenches.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 28 – Construction of Underpinning Needles		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Collapse of structure. <input checked="" type="checkbox"/> Noise. <input checked="" type="checkbox"/> Dust. <input checked="" type="checkbox"/> Fumes.		9 6 6 6	4 2 2 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Hearing protection to be worn. <input checked="" type="checkbox"/> Eye protection to be worn. <input checked="" type="checkbox"/> Proposed system of work to be approved by engineer. <input checked="" type="checkbox"/> Damping down to be carried out. <input checked="" type="checkbox"/> Machines to be sited in open air. <input checked="" type="checkbox"/> Propping of existing structure to be on firm ground. <input checked="" type="checkbox"/> Seek guidance on the extent and sequence of areas to be worked on.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 29 – Maintenance of Plant on Site		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Uncontrolled movement of the plant when under repair. <input checked="" type="checkbox"/> Uncontrolled movement of hydraulics. <input checked="" type="checkbox"/> Uncontrolled release of hot or pressurised liquids. <input checked="" type="checkbox"/> Collapse of jacking equipment. <input checked="" type="checkbox"/> Tyre explosion or fuel fire. <input checked="" type="checkbox"/> Hair or clothing caught in moving parts.		9 9 6 9 6 6	4 4 2 2 2 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Plant and equipment must be maintained in accordance with guidance contained in manufacturers / suppliers manuals or instruction leaflets. <input checked="" type="checkbox"/> Competent persons only will carry out maintenance work. <input checked="" type="checkbox"/> Mobile plant and equipment to be worked on will have the wheels chocked and hydraulically operated lifting arms at rest, before work commences on the braking system, hydraulics or wheels. <input checked="" type="checkbox"/> Where hydraulically operated equipment has to be elevated for work to be carried out it must be supported by rigid means, i.e. props or ram locks. <input checked="" type="checkbox"/> Where work involves engine-cooling systems, hydraulic systems and compressed air, arrangements must be made to depressurise them under controlled conditions. <input checked="" type="checkbox"/> When jacking is used to raise the equipment in order to facilitate access under the machine, the jacking must take place on firm level ground and packing placed under strong points, to prevent the collapse of the machine in the event of a jack failure. <input checked="" type="checkbox"/> Raised bodies will be propped. <input checked="" type="checkbox"/> No hot work to take place on wheels or fuel tanks unless the tyres are removed from the wheels and the fuel tanks drained, purged and filled with water. <input checked="" type="checkbox"/> Where work is to be carried out near moving parts, long hair and clothing must be kept clear. <input checked="" type="checkbox"/> All guards to power shafts, fans, fan belts and other moving parts to be replaced when work is complete. <input checked="" type="checkbox"/> COSHH assessments will be required in respect of any hazardous liquid/substance. <input checked="" type="checkbox"/> Assessments will be made as to the level of personal protective equipment to be used. <input checked="" type="checkbox"/> Plant should be examined by a competent person prior to use. <input checked="" type="checkbox"/> Results of weekly inspections will be entered in an approved register. <input checked="" type="checkbox"/> Spill kits must be available to mop up all spills.				
Additional controls considered necessary and further information:				
<input checked="" type="checkbox"/> Refer to the Operator Manual.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 30 – Driving Motor Vehicles on Company Business		Index
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Driving on motorways A, B and unclassified roads. <input checked="" type="checkbox"/> Driving off road. <input checked="" type="checkbox"/> Manoeuvring and reversing. <input checked="" type="checkbox"/> Driving in reduced visibility and at night. <input checked="" type="checkbox"/> Loading of vehicles and carriage of passengers. <input checked="" type="checkbox"/> Towing.		9 9 6 9 6 6	2 2 2 4 2 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input checked="" type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> All drivers will hold a full driving licence for the vehicle to be driven and will be at least 21 years of age. <input checked="" type="checkbox"/> Adequate rest periods will be provided where passengers are carried at the commencement and end of the working day. <input checked="" type="checkbox"/> Training will be provided where a need is identified. <input checked="" type="checkbox"/> A system of recording accidents will be established to identify where training is required. <input checked="" type="checkbox"/> Driving licences will be checked annually. <input checked="" type="checkbox"/> All employees will be required to report any driving convictions or points on their licence. <input checked="" type="checkbox"/> All employees who use their own vehicles on company business will be required to provide insurance to cover that use. <input checked="" type="checkbox"/> Vehicles and trailers will be examined daily and weekly to ensure compliance with road traffic legislation and maintenance schedules. <input checked="" type="checkbox"/> All vehicle defects will be reported immediately. <input checked="" type="checkbox"/> No vehicle or trailer will be used in an unroadworthy condition. <input checked="" type="checkbox"/> Obey speed controls on site. <input checked="" type="checkbox"/> Smoking is NOT permitted in any Company vehicle. <input checked="" type="checkbox"/> Mobile phones are not to be used while driving.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 31 – Breaking Down Piles		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Noise. <input checked="" type="checkbox"/> Vibration. <input checked="" type="checkbox"/> Flying particles. <input checked="" type="checkbox"/> Dust. <input checked="" type="checkbox"/> Manual handling.		6 6 6 6 6	2 2 2 2 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Noise will be reduced to lowest possible level and where action levels are likely to be reached, assessments will be conducted, information given to all persons likely to be affected, ear protection provided, which must be worn when required. <input checked="" type="checkbox"/> A tool producing high levels of vibration to have anti-vibration handles to reduce the risks hand/arm vibration syndrome (HAVS). <input checked="" type="checkbox"/> Minimise the time individuals use the equipment i.e. job rotation. <input checked="" type="checkbox"/> A separate COSHH assessment will be carried out where dust is likely to be a hazard to health, and suitable personal protective equipment (PPE) will be provided and worn. <input checked="" type="checkbox"/> See also Risk Assessment RA15. <input checked="" type="checkbox"/> Ensure that time spent using vibrating tools is recorded.				
Additional controls considered necessary and further information:				
<input checked="" type="checkbox"/> See risk assessment number RA 15 for further controls to prevent hand/arm vibration syndrome. <input checked="" type="checkbox"/> Refer to HSE guidance HS(G) 17 – Safety in the use of abrasive wheels. <input checked="" type="checkbox"/> Refer to the Operator Manual.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 32 – Working over Water		Index
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Drowning. <input checked="" type="checkbox"/> Weils disease.		9 6	4 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Procedures for working over water to be discussed on site and appropriate equipment and training to be provided.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 33 – Loading Pile Hammer		Index
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Musculo-skeletal injuries (back injuries). <input checked="" type="checkbox"/> Crushing. <input checked="" type="checkbox"/> Entrapment.		6 9 9	2 4 4	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Use mechanical aids to lift heavy equipment. <input checked="" type="checkbox"/> Secure hammer during lifting operations <input checked="" type="checkbox"/> Ensure that hammer is secured in two places to the mast while tracking and raising mast.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 34 – Housekeeping		Index
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Trailing cables. <input checked="" type="checkbox"/> Polythene/pallets. <input checked="" type="checkbox"/> Obstructions on escape routes. <input checked="" type="checkbox"/> Poor/lack of illumination. <input checked="" type="checkbox"/> Accumulated rubbish causing fire risk.		6 6 9 6 9	2 2 2 2 4	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input checked="" type="checkbox"/> General public <input checked="" type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Avoid trip hazards, cables, boxes in alleyways, etc. <input checked="" type="checkbox"/> Store materials in one area away from pedestrian routes. <input checked="" type="checkbox"/> Keep empty pallets together, away from offices etc, ready for collection. <input checked="" type="checkbox"/> Clean up spillages immediately. <input checked="" type="checkbox"/> Take care when the weather is inclement, use grit or salt when appropriate. <input checked="" type="checkbox"/> All combustible materials to be placed in a skip. <input checked="" type="checkbox"/> 'Domestic' rubbish (such as food) to be placed in a lidded skip on site or removed from site and disposed of appropriately. <input checked="" type="checkbox"/> Ensure adequate lighting for the task as well as compound areas when required. <input checked="" type="checkbox"/> Highlight changes in level. <input checked="" type="checkbox"/> Carry out regular inspections of the workplace.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 35 - Inserting Steel Cages to CFA Bored Piles		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Manual Handling. <input checked="" type="checkbox"/> Concrete burns – from exposure to alkali. <input checked="" type="checkbox"/> Collision with moving plant. <input checked="" type="checkbox"/> Cuts from steel and tie wire. <input checked="" type="checkbox"/> Operative struck by the jib or bucket of the excavator during insertion operation. <input checked="" type="checkbox"/> Falls into the bored pile or concrete. <input checked="" type="checkbox"/> Steel cage falls from excavator causing injury. <input checked="" type="checkbox"/> Hand Arm Vibration injuries. <input checked="" type="checkbox"/> Noise. <input checked="" type="checkbox"/> Other site workers or visitors come into the work area unaware of the risks. <input checked="" type="checkbox"/> Bucket or debris falling from excavator. <input checked="" type="checkbox"/> Cage springing or collapsing under load or tension. <input checked="" type="checkbox"/> Entrapment or shearing force under load or compression from excavator.		4 4 9 3 9 3 6 1 2 2 6 4 4	2 2 2 1 2 1 2 1 1 1 2 1 1	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input checked="" type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Operatives to wear gloves with high cut resistance. <input checked="" type="checkbox"/> Steel cages to be lifted and carried across the site using an excavator machine, drop chain, and shackle fitted to the lifting eye. <input checked="" type="checkbox"/> Operatives directing the excavator and working with the steel cages must be fully clothed (no shorts), wear gloves and be informed of the hazards of concrete burns. <input checked="" type="checkbox"/> Plant drivers to be competent and hold CPCS qualification. <input checked="" type="checkbox"/> Operatives must stand well clear of the steel cage when the excavator is used to drive the cage into the bored concrete pile. <input checked="" type="checkbox"/> Lifting equipment to have current thorough examination certificate and be inspected before each days use. (recorded weekly). <input checked="" type="checkbox"/> Signage – Danger deep holes; Danger Deep excavation; Danger Hole below to be displayed. <input checked="" type="checkbox"/> When using a running cage vibrator operatives not to handle the cage. <input checked="" type="checkbox"/> Operatives wear hearing protection at 85dB (mandatory). Issued to all operatives at and above 80dB. <input checked="" type="checkbox"/> Bucket should always be removed when installing cages until the cages requires a final push from a low level. <input checked="" type="checkbox"/> Operatives should always stay at a safe distance when either pulling or pushing cages in, Min 3m clear distance. <input checked="" type="checkbox"/> No Operative should use feet on the helical to assist cage installation in case of sudden slumping. <input checked="" type="checkbox"/> No other persons within the working area (within 3m).				
Additional controls considered necessary and further information:				
<input checked="" type="checkbox"/> Where applicable COSHH sheets to be reviewed with operatives (concrete). <input checked="" type="checkbox"/> Operatives briefed regarding the NFS Revised Method Statement for Steel Cage Insertion to Concrete Piles. (21-01-2015). <input checked="" type="checkbox"/> Operatives to be briefed regarding control measures.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 36 Cleaning CFA Concrete System		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Air entrapment in the delivery line. <input checked="" type="checkbox"/> Blockages. <input checked="" type="checkbox"/> Bursting of pipelines under pressure. <input checked="" type="checkbox"/> Cleaning and dismantling the pipeline. <input checked="" type="checkbox"/> Contact with moving parts.		9 6 6 6 6	4 2 2 2 2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input checked="" type="checkbox"/> General public <input checked="" type="checkbox"/> Client personnel <input checked="" type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> All pipe joints must be fitted with safety pins at all times. <input checked="" type="checkbox"/> Ball catcher to be in place and secured before cleaning operation commences. <input checked="" type="checkbox"/> Pipes must not be disconnected unless the ball has been recovered. <input checked="" type="checkbox"/> Ensure that the delivery hose has no kinks. <input checked="" type="checkbox"/> Only the pump operator is to release pipe clips. <input checked="" type="checkbox"/> Regular inspection of the hoses for condition to ensure that they are replaced when showing signs of wear or damage. <input checked="" type="checkbox"/> Ensure that flexible hoses are in manageable sections before trying to move them or use mechanical means. <input checked="" type="checkbox"/> Steel pipe sections that are full of concrete will require at least two operatives to lift them. <input checked="" type="checkbox"/> Only those operatives directly involved with the operation are to be allowed within 6m of the pump or pipelines. <input checked="" type="checkbox"/> Please refer to detailed NFS Working Procedure document “Cleaning Concrete Pumps”.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 37 Clearing Blockages		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Violent ejection of concrete from hose at moment of delivery. <input checked="" type="checkbox"/> Delivery pipe joint failure. <input checked="" type="checkbox"/> Contact with wet concrete causing burns, allergy and dermatitis. <input checked="" type="checkbox"/> Air in pipeline causing hose to whip.		9 9 6 9	4 4 4 4	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input checked="" type="checkbox"/> General public <input checked="" type="checkbox"/> Client personnel <input checked="" type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels see COSHH Assessment; Eye Protection – Should comply with BS EN 166. <input checked="" type="checkbox"/> Eye protection to be worn at all times. <input checked="" type="checkbox"/> Give warning prior to recommencing the pour. <input checked="" type="checkbox"/> Check hoses for damage before commencing pour each day. <input checked="" type="checkbox"/> Check concrete mix against specification. <input checked="" type="checkbox"/> Be aware for potential for blowback in the line. <input checked="" type="checkbox"/> Ensure connecting pipes adequately secured. <input checked="" type="checkbox"/> Ensure that hopper remains full when discharging concrete. <input checked="" type="checkbox"/> Only essential personnel to be within 20m of the pump or hose when dealing with a blockage. <input checked="" type="checkbox"/> Ensure accurate reading from pressure gauge. <input checked="" type="checkbox"/> Establish location of the blockage before attempting to clear it. <input checked="" type="checkbox"/> Keep hands well clear of hopper while engine running. <input checked="" type="checkbox"/> Turn off power before disconnecting hoses. <input checked="" type="checkbox"/> Ensure that the pipes operating pressure is appropriate for the diameter of the pipe. <input checked="" type="checkbox"/> Do not use and set aside any suspected damaged pipes for inspection by a competent person. <input checked="" type="checkbox"/> Ensure joints are in good condition before use and fitted with safety pins and whip checks. <input checked="" type="checkbox"/> Provide support to pipes where required. <input checked="" type="checkbox"/> Ensure water supply to flush eyes. <input checked="" type="checkbox"/> Release pressure in line before attempting to separate hoses, reverse the pump to reduce the pressure. <input checked="" type="checkbox"/> Never use compressed air to clear a blockage. <input checked="" type="checkbox"/> Secure the open end of the hose and stand clear (behind significant structure or at least 20m away) while attempting to clear blockages. <input checked="" type="checkbox"/> Please refer to detailed NFS Working Procedure document “Cleaning Concrete Pumps”.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 38 Noise Controls		Index
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i> <input checked="" type="checkbox"/> Damage to hearing <input checked="" type="checkbox"/> In ability to hear instructions or warnings <input checked="" type="checkbox"/> Nuisance to other workers and neighbours		8	5	
		8	5	
		8	5	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input checked="" type="checkbox"/> General public <input checked="" type="checkbox"/> Client personnel <input checked="" type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Use of modern machinery, well serviced and maintained. <input checked="" type="checkbox"/> Turn engines off when not in use. <input checked="" type="checkbox"/> Use silencers where possible. <input checked="" type="checkbox"/> Place noisy plant far away from working area or neighbours. <input checked="" type="checkbox"/> Use sound protection barriers if necessary. <input checked="" type="checkbox"/> Use of PPE Ear Protection BS EN 352.				
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Operatives to be briefed regarding control measures and noise exposure action levels. <input checked="" type="checkbox"/> 80dB(A) employees can request ear protection and it must be provided. <input checked="" type="checkbox"/> 85dB(A) Employees must wear ear protection, establish ear protection zones. <input checked="" type="checkbox"/> PPE Ear Protection BS EN 352.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB	
Risk Assessment:		RA 39 Installing Secondary Auger Cleaner		<u>Index</u>
Hazards identified		Risk of Injury		
		Without Controls	With Controls	
<i>Tick boxes as appropriate</i>				
<input checked="" type="checkbox"/> Trapped Fingers		9	4	
<input checked="" type="checkbox"/> Injury to feet		6	2	
<input checked="" type="checkbox"/> Injury from wire Brushes		6	2	
<input checked="" type="checkbox"/> Handling		6	2	
<input checked="" type="checkbox"/> Lifting		6	2	
Persons at risk:		<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other		
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Correct use of PPE (as applicable): Head Protection - Hard Hat BS EN 397; Safety Footwear – Steel toe capped boots BS EN ISO 20345 or BS EN 345; Hand Protection – Suitable Gloves BS EN 388; High visibility Jacket or vest BS EN 20471; Ear Protection BS EN 352 – as relevant to the noise levels; Eye Protection – Should comply with BS EN 166 and EN 172 (if cutting). <input checked="" type="checkbox"/> Only Certified lifting equipment to be used. When lifting into position a drop chain must be used off the winch line. <input checked="" type="checkbox"/> Only install the cleaner wheel using the spare line on the rig and not using the attendant excavator. This is to ensure it hangs straight and locates easier. <input checked="" type="checkbox"/> When attaching the chain take care of the brush wires, when lowering from the vertical to horizontal then care must be taken and clear room given to allow it to lower gentle to the ground. <input checked="" type="checkbox"/> Care must be taken when lowering into the socket on the cleaner arm that hands are above the stop ring and the cleaner is positioned directly above the socket before starting to lower the cleaner into position.				

CONTRACT	200809	SITE ADDRESS	Euro-City Eastern, 152-156 Kentish Town Road, London NW1 9QB
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COVID 19 is a virus which can cause serious illness and death for which at the moment there is no vaccination or cure. We need to follow government guidelines to ensure the safety of the workforce and the public.

Symptoms can include high temperature, loss of smell and taste, and a persistent cough.

Risk Assessment:	RA 40 Coronavirus COVID-19	Index		
Hazards identified	Risk of Injury			
	Without Controls	With Controls		
<i>Tick boxes as appropriate</i>				
<input checked="" type="checkbox"/> Fitness to Work	9	3		
<input checked="" type="checkbox"/> Travelling to and from Site	9	2		
<input checked="" type="checkbox"/> Signing In	9	3		
<input checked="" type="checkbox"/> Site Meetings	9	3		
<input checked="" type="checkbox"/> Welfare Facilities	9	3		
<input checked="" type="checkbox"/> Close Contact Working	9	3		
Persons at risk:	<input checked="" type="checkbox"/> Site personnel <input type="checkbox"/> General public <input type="checkbox"/> Client personnel <input type="checkbox"/> Other			
Controls Considered Necessary:				
<input checked="" type="checkbox"/> Office Staff to work from home if possible, if not possible perhaps part office/part home. <input checked="" type="checkbox"/> If staff cannot work from home stagger working patterns in the office. <input checked="" type="checkbox"/> Maintain personal hygiene. Washing hands regularly using hand sanitisers. <input checked="" type="checkbox"/> Stagger work breaks, arrival and leave times. <input checked="" type="checkbox"/> All Staff are to follow the site specific Coronavirus site rules. <input checked="" type="checkbox"/> All Staff should only be on site if fit and well, anyone showing symptoms of COVID-19 should go home immediately without coming into contact with any others on site other than telling someone and line manager they are going. <input checked="" type="checkbox"/> Do not come to work if someone in your household or bubble tests positive or shows signs of symptoms. <input checked="" type="checkbox"/> Government have issued guidelines for self isolation and these should be followed if showing the symptoms or anyone else in the same household has the symptoms <input checked="" type="checkbox"/> All Travel should be kept to a minimum, NSF staff should endeavour to travel to site in separate vehicles unless living in the same household, No one should travel at breaktimes outside the site to shop locally for food. <input checked="" type="checkbox"/> Try to avoid public transport if possible. <input checked="" type="checkbox"/> Vehicles should be kept clean at all times and rubbish emptied daily. <input checked="" type="checkbox"/> On arrival to site for the first time make yourself known to site management but try to avoid walking into site offices. Site inductions where possible should be carried out outside or if inside with limited numbers in a well ventilated room. <input checked="" type="checkbox"/> Try to avoid using fingerprint sensors and turnstiles. If these have to be used then ensure hands are well cleaned after, keep your own pens for signing in and avoid using shared pens. <input checked="" type="checkbox"/> Site meetings to be kept to a minimum and ideally always outside while following the social distancing rules of 2m. in the event of bad weather try to rearrange the meeting or use a well ventilated room and keep numbers to minimum. <input checked="" type="checkbox"/> Site will have their own procedures for welfare facilities. Where possible try to avoid. Always follow the site policy and if and when using facilities on site ensure we stagger the times we use them and keep all areas clean and tidy. <input checked="" type="checkbox"/> Ideally take breaks outside or if the weather is bad use you own van to sit in. <input checked="" type="checkbox"/> Do not sit around in groups during breaks, always follow the 2m social distancing rule <input checked="" type="checkbox"/> At all times try to avoid close contact work, if heavy items need lifting then use mechanical aids if possible. Use the attendant excavator to lift concrete hoses when connecting to avoid 2 people standing close together. <input checked="" type="checkbox"/> In the event of a problem / breakdown and 2 people need to work close together then a face mask should be used. close contact work should be carried out if no other options are available <input checked="" type="checkbox"/> PPE should always be kept in good order and everyone should only use their own PPE. Any disposable should be disposed of as soon as it is finished with.				