

TOWN & COUNTRY

CONSTRUCTION AND GROUNDWORKS

CONSTRUCTION RISK ASSESSMENT

Project Title:	Monmouth	Risk Assess. No.:	255
Task/Activity:	Brick/Block Laying	Project No.:	Jeffery 01
		Date Prepared:	8th July 2024

HAZARDS		Likelihood			Severity				Risk Score	
Ref.	Key hazards associated with the above task/activity.	P r o b a b l e	O c c a s i o n a l	R e m o t e	C a t a s t r o p h i c	C r i t i c a l	S e r i o u s	M a j o r	N e g l i g i b l e	L i k e l i h o o d x S e v e r i t y
	Score:	3	2	1	5	4	3	2	1	
1	Manual/repetitive handling of bricks/blocks	X				X				12
2	Crushed/cut fingers	X						X		6
3	Failure/collapse of walls under construction		X				X			6
4	Dermatitis from contact with mortar		X				X			6
5	Slips/trips/falls		X				X			6
6	Entanglement with moving parts of concrete mixer			X				X		2
7	Inhalation of silica dust	X				X				12
8										
9										
10										

Risk Assessment Scores:	10+ Very High Risk	5-9 High Risk	1-4 Low Risk
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PERSONS AFFECTED					
Operatives	X	Members of Public		Site Visitors	
Other Workers	X	Managers		Young Persons	X
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing	X	Respiratory Protection	X
Hearing Protection		Eye Protection		Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All staff to be trained in manual handling techniques ☐ All staff to be informed of the health hazards (Silicosis and Dermatitis) associated with inhaling brick dust and from contact with mortar ☐ All staff to be instructed on the safe systems of work	☐ Ensure large heavy blocks are not specified ☐ Ensure PPE is made available and used by all operatives ☐ Ensure appropriate welfare and hygiene facilities are made available

ADDITIONAL CONTROL MEASURES

Information/Instruction/Training

Managerial Controls

- ☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work

Physical Controls

- ☐ Ensure the workplace is kept clean and tidy with walkways unobstructed
- ☐ Utilise mechanical handling to move large and heavy loads
- ☐ Ensure concrete mixers and other plant are regularly checked and inspected

Procedural Controls

- ☐ Buyers to purchase small (25kg) bags of cement
- ☐ Purchase blocks with in built hand holds

HSE & Other Guidance

- ☐ Manual Handling Operations Regulations

Comments

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CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:	
Task/Activity:	Concreting Operations	Project No.:	
		Date Prepared:	
HAZARDS		Likelihood	Severity
Ref.	Key hazards associated with the above task/activity.	P r o b a b l e	O c c a s i o n a l
	Score:	R e m o t e	C a t a s t r o p h i c
		C r i t i c a l	S e r i o u s
		M a r g i n a l	N e g l i g i b l e
		L i k e l i h o o d x S e v e r i t y	
1	Concrete causing dermatitis/concrete burns	3	2
2	Slips, trips and falls	X	1
3	Hand arm vibration	X	5
4	Collapse of supporting structure/formwork	X	4
5	Failure of concrete pump hoses	X	3
6	Noise	X	2
7			1
8			
9			
10			
Risk Assessment Scores:		10+ Very High Risk	5-9 High Risk
		1-4 Low Risk	

PERSONS AFFECTED					
Operatives	X	Members of Public		Site Visitors	
Other Workers	X	Managers		Young Persons	
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing		Respiratory Protection	
Hearing Protection	X	Eye Protection	X	Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES

Information/Instruction/Training

- ☐ Manual handling training to be provided to all workers
- ☐ Staff to be informed of the hazards and risks (concrete burns and dermatitis) from contact with concrete

Managerial Controls

- ☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work

Physical Controls

- ☐ Ensure all PPE is worn
- ☐ Limit exposure time to vibrating equipment such as concrete pokers
- ☐ Provide suitable working platforms

Procedural Controls

- ☐ Plan/sequence works to ensure operatives do not have stand in concrete
- ☐ Wash all concrete off skin immediately

HSE & Other Guidance

- ☐ HSG 46 A Guide for Small Contractors: Site Safety and Concrete Construction

Comments

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CONSTRUCTION RISK ASSESSMENTS

Project Title:				Risk Assess. No.:								
Task/Activity:		Confined Spaces		Project No.:								
				Date Prepared:								
HAZARDS				Likelihood		Severity			Risk Score			
Ref.	Key hazards associated with the above task/activity.			P r o b a b l e	O c c a s i o n a l	R e m o t e	C a t a s t r o p h i c	C r i t i c a l	S e r i o u s	M a r g i n a l	N e g l i g i b l e	L i k e h o d x S e v e r i t y
	Score:			3	2	1	5	4	3	2	1	
1	Oxygen deficiency/enhancement				X		X					10
2	Toxic gases				X		X					10
3	Flammable atmosphere/explosion				X		X					10
4	Contaminated flows/substances				X			X				8
5	Flooding				X		X					10
6	Slips, trips and falls				X			X				8
7												
8												
9												
10												
Risk Assessment Scores:				10+ Very High Risk			5-9 High Risk			1-4 Low Risk		

PERSONS AFFECTED					
Operatives	X	Members of Public		Site Visitors	
Other Workers		Managers		Young Persons	
Others					

PPE REQUIREMENTS					
Harness & Lanyard	X	Hi-Viz Clothing		Breathing Apparatus	X
Hearing Protection		Eye Protection		Head Protection	X
Gloves	X	Boots	X	Gas Detection	X

ADDITIONAL CONTROL MEASURES

Information/Instruction/Training

- ☐ Only workers with full confined spaces and breathing apparatus training to carry out confined spaces work
- ☐ Staff to be informed of the risks and hazards associated with the proposed activities
- ☐ Full training to be given on handling and dealing with an emergency situation

Managerial Controls

- ☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work

Physical Controls

- ☐ Atmospheric monitoring
- ☐ Intrinsically safe equipment to be used
- ☐ Exhaust emissions from plant and equipment to be sited away from accesses into the confined space

Procedural Controls

- ☐ Vent the confined space, purge the air and ensure adequate access/egress arrangements are in place
- ☐ Ensure full emergency/rescue procedures are in place before entry
- ☐ Test the atmosphere before and during entry
- ☐ Top man required to monitor situation
- ☐ Implement a permit to work system
- ☐ Ensure the confined space is isolated from incoming flows

HSE & Other Guidance

- ☐ Confined Spaces Regulations
- ☐ GS5 Entry into Confined Spaces

Comments

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CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:	255							
Task/Activity:	Drain Camera Survey & CCTV works including contact with members of the public and members of staff.	Project No.:								
		Date Prepared:								
HAZARDS		Likelihood			Severity			Risk Score		
Ref.	Key hazards associated with the above task/activity.	P r o b a b l e	O c c a s i o n a l	R e m o t e	C a t a s t r o p h i c	C r i t i c a l	S e r i o u s	M a r g i n a l	N e g l i g i b l e	L i k e l i h o o d x S e v e r i t y
	Score:	3	2	1	5	4	3	2	1	
1	Contact with members of staff associated with the working building		x		x					3
2	Contact with general members of the public		x					x		3
3	Tools and plant in the way of pedestrians		x							5
4	Moving of tools and small plant around the site	x						x		6
5										
6										
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk		

PERSONS AFFECTED					
Operatives	x	Members of Public	x	Site Visitors	x
Other Workers	x	Managers	x	Young Persons	x
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing		Respiratory Protection	x
Hearing Protection		Eye Protection	x	Head Protection	x
Gloves	x	Boots	x	Protective Clothing	x

ADDITIONAL CONTROL MEASURES

Information/Instruction/Training	Managerial Controls
☐ Ensure operatives are instructed in the correct use and fitting of all protective equipment	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Carry out full soils testing and analysis before commencing work to establish exactly what hazards are likely to be encountered and where
Physical Controls	Procedural Controls
☐ Clearly identify and sign all areas of contaminated land ☐ Restrict access to all such areas to authorised persons only ☐ Ensure all persons and vehicles leaving the site do not contaminate adjacent areas, consider use of a wheel wash/decontamination unit	☐ Control dust by regularly spraying with water ☐ Ensure all material is disposed at an appropriately licensed site ☐ Determine if health surveillance/monitoring is required
HSE & Other Guidance	Comments
☐ HSG 66 Protection of workers and the general public during the development of contaminated land	☐ The hazards associated with contaminated land depend largely on the nature of the contaminants

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:	A08							
Task/Activity:	Demolition Works	Project No.:								
		Date Prepared:								
HAZARDS		Likelihood			Severity				Risk Score	
Ref.	Key hazards associated with the above task/activity.	P r o b a b l e	O c c a s i o n a l	R e m o t e	C a t a s t r o p h i c	C r i t i c a l	S e r i o u s	M a r g i n a l	N e g l i g i b l e	L i k e l i h o o d x S e v e r i t y
	Score:	3	2	1	5	4	3	2	1	
1	Premature collapse		X		X					10
2	Exposure to hazardous substances (lead, asbestos etc)		X		X					10
3	Contact with live services		X			X				8
4	Noise and vibration		X			X				8
5	Falls from height		X		X					10
6	Falls through material		X		X					10
7	Falling objects	X			X					15
8	Heavy plant and machinery		X		X					10
9										
10										
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk		

PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	
Other Workers	X	Managers	X	Young Persons	X

PPE REQUIREMENTS					
Harness & Lanyard	X	Hi-Viz Clothing	X	Respiratory Protection	X
Hearing Protection	X	Eye Protection	X	Head Protection	X

Others					
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Gloves	X	Boots	X		
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ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training ☐ All workers should be competent trained demolition contractors with knowledge of the works in hand ☐ All workers undertaking other works in proximity to the demolition works should be kept at a safe distance	Managerial Controls ☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐
Physical Controls ☐ Restrict access to authorised persons ☐ Ensure safe access and egress is provided to all areas ☐ Ensure all hazardous materials are removed prior to the commencement of demolition works	Procedural Controls ☐ Carry out a Type 3 Asbestos survey ☐ Ensure all demolition works are carefully planned and sequenced to prevent premature collapse ☐ Ensure all services are isolated before the start of demolition works ☐ Ensure a pre-demolition survey is undertaken to determine how the structure is built
HSE & Other Guidance ☐ GS 29 Health and Safety in demolition ☐ BS 6187 Code of Practice for Demolition	Comments ☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:	A11							
Task/Activity:	Excavations	Project No.:								
		Date Prepared:								
HAZARDS		Likelihood	Severity				Risk Score			
Ref.	Key hazards associated with the above task/activity.	P r o b a b l e	O c c a s i o n a l	R e m o t e	C a t a s t r o p h i c	C r i t i c a l	S e r i o u s	M a r g i n a l	N e g l i g i b l e	L i k e l i h o o d x S e v e r i t y
	Score:	3	2	1	5	4	3	2	1	
1	Contaminated ground		X			X				8
2	Underground/buried services	X				X				12
3	Confined spaces	X			X					15
4	Collapse of the excavation		X			X				8
5	Undermining of adjacent structures			X		X				4
6	Water ingress/flooding		X				X			6
7	Noise/vibration	X				X				12
8	Toxic/flammable gases		X			X				8
9	Oxygen deficiency		X			X				8
10	Persons/Plant/Materials falling into the excavation		X		X					10
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk		

PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	X
Other Workers	X	Managers	X	Young Persons	X

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing	X	Respiratory Protection	
Hearing Protection	X	Eye Protection	X	Head Protection	X

Others	X				
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Gloves	X	Boots	X		
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ADDITIONAL CONTROL MEASURES

Information/Instruction/Training	Managerial Controls
☐ Staff should be trained in the use of cable location tools ☐ Staff should be informed of when and how to use support equipment for excavations/trenches ☐ Staff to be trained in safe excavation procedures ☐ All Plant operators should be CPCS (or equivalent) qualified	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work

Physical Controls	Procedural Controls
☐ Ensure sufficient and appropriate equipment is available to support excavations and prevent collapse ☐ Use a cable detection tool and obtain copies of the service plans from the statutory authorities prior to proceeding with the excavations ☐ Carefully hand dig around buried services ☐ Do not stockpile excavated or other materials adjacent to the excavation ☐ Ensure safe access and egress is provided into the excavation ☐ Provide a handrail/barrier around the edge of all excavations to prevent persons falling into the excavation ☐ Where there is a risk of flooding from sewers, groundwater or surface runoff, a suitably sized pump should be provided to dewater the excavation ☐ Provide stop logs at the edge of the excavation to stop plant and machinery falling into the excavation or overloading the edges	☐ Excavation to be inspected each shift before the commencement of work – record of inspections to be maintained ☐ Implement a permit to work system for all excavations ☐ Where there is a considered risk of potential ventilation problems, a gas monitor should be utilised before entry and during the works

HSE & Other Guidance	Comments
☐ HSG 47 Avoiding Danger from Underground Services ☐ Construction Information Sheet No. 8 Safety in Excavations ☐ HSG185 Health and Safety in Excavations: Be Safe and Shore	☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:	A12							
Task/Activity:	Fire Safety	Project No.:								
		Date Prepared:								
HAZARDS		Likelihood			Severity				Risk Score	
Ref.	Key hazards associated with the above task/activity.	Probable 3	Occasional 2	Remote 1	Catastrophic 5	Critical 4	Serious 3	Marginal 2	Negligible 1	Likelihood x Severity
	Score:									
1	Arson			X		X				4
2	Discarded cigarettes/matches		X			X				8
3	Hot works – Welding and Cutting (inc. disc cutters)	X				X				12
4	Use of LPG (Space heaters/cookers)		X				X			6
5	Electrical short circuits/overloaded sockets			X			X			3
6	Contact with hot exhausts			X			X			3
7										
8										
9										
10										
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk		

PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	X
Other Workers	X	Managers	X	Young Persons	X

PPE REQUIREMENTS			
Harness & Lanyard		Hi-Viz Clothing	
Hearing Protection		Eye Protection	
		Respiratory Protection	
		Head Protection	

Others					
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Gloves		Boots			
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ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All persons to be trained in emergency fire procedures including what to do if the alarm is raised, how to raise the alarm and general evacuation procedures ☐ All staff to be informed of the risks from fire and the precautions taken to control and reduce the risk of fire, including the safe storage of flammable materials, site tidiness and the requirement for hot work permits ☐ Key operatives to be trained in the selection and use of fire extinguishers	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Ensure a suitable and sufficient fire plan is established and that adequate means of escape are provided. ☐ Ensure a suitable means of raising the alarm is provided and that appropriate fire extinguishers are located around the site. ☐ Ensure that adequate access is provided to all areas of the site for the fire and other emergency services ☐ Ensure all electrical installations comply with BS7671

Physical Controls	Procedural Controls
☐ All hot works to be strictly controlled with a Hot Works Permit ☐ No hot works to be undertaken within 1 hour of the site closing ☐ Fire extinguishers to be provided whenever hot works are undertaken	☐ Restrict smoking to designated areas ☐ Do not allow waste to build up on site ☐ Ensure all machinery and electrical equipment is inspected and regularly checked to avoid the risk of fire from faulty equipment

HSE & Other Guidance	Comments
☐ HSG 168 Fire Safety in Construction	☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:	A15							
Task/Activity:	Overhead Services	Project No.:								
		Date Prepared:								
HAZARDS		Likelihood			Severity				Risk Score	
Ref.	Key hazards associated with the above task/activity.	Probable	Occasional	Remote	Catastrophic	Critical	Serious	Major	Negligible	Likelihood x Severity
	Score:	3	2	1	5	4	3	2	1	
1	Contact with plant or equipment		X		X					10
2	Contact with other objects (survey poles, ladders, lighting columns, scaffold tubes etc)		X		X					10
3	Arcing between cables and other objects		X		X					10
4										
5										
6										
7										
8										
9										
10										
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk		

PERSONS AFFECTED

PPE REQUIREMENTS

Operatives	X	Members of Public		Site Visitors	
Other Workers		Managers		Young Persons	
Others					

Harness & Lanyard		Hi-Viz Clothing		Respiratory Protection	
Hearing Protection		Eye Protection		Head Protection	
Gloves		Boots			

ADDITIONAL CONTROL MEASURES

Information/Instruction/Training

- ☐ All staff to be informed of the location of overhead cables and the restrictions placed on works in their vicinity
- ☐ All visiting delivery drivers to be informed of the dangers and restrictions placed on them such as when tipping materials on the site

Managerial Controls

- ☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work
- ☐ Where possible remove or divert overhead cables to eliminate the risk

Physical Controls

- ☐ Establish distance barriers/goal posts on the approaches to power lines
- ☐ Ensure all overhead cable are clearly identified and signed
- ☐ Restrict all works in the vicinity of overhead cables
- ☐ Restrict/limit the reach of plant/equipment which must be used in the vicinity of such cables

Procedural Controls

- ☐ Control the movement of plant and vehicles in the vicinity of overhead cables
- ☐ No lifting operations to be carried out within the hazard zone (to be agreed with electricity authority)

HSE & Other Guidance

- ☐ Avoidance of danger from overhead electric power lines (GS6)

Comments

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CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:	A17							
Task/Activity:	Pre-Cast Concrete Works	Project No.:								
		Date Prepared:								
HAZARDS		Likelihood			Severity			Risk Score		
Ref.	Key hazards associated with the above task/activity.	Probable	Occasional	Remote	Catastrophic	Critical	Serious	Major	Negligible	Likelihood x Severity
	Score:	3	2	1	5	4	3	2	1	
1	Failure/collapse of the pre-cast units			X		X				4
2	Failure/collapse of the supporting structure(s)			X		X				4
3	Failure of the lifting operation		X		X					10
4	Manual handling		X				X			6
5	Falls from height		X		X					10
6	Falling objects		X		X					10
7	Crushing of hands	X				X				12
8										
9										
10										
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk		

PERSONS AFFECTED				
Operatives	X	Members of Public	X	Site Visitors

PPE REQUIREMENTS				
Harness & Lanyard	X	Hi-Viz Clothing	X	Respiratory Protection

Other Workers	X	Managers		Young Persons	
Others					

Hearing Protection		Eye Protection		Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES

Information/Instruction/Training

- ☐ Staff to be training in lifting, slinging, handling and positioning of the pre-cast units
- ☐ Manual handling training to be provided

Managerial Controls

- ☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work

Physical Controls

- ☐ Edge protection to be provided wherever fall of more than 1.8m can be achieved
- ☐ Ensure the correct lifting accessories as recommended by the manufacturers are used
- ☐ Persons working at height should be protected with harnesses and lanyards
- ☐ Use steel bars, not hands to assist in the positioning of individual units

Procedural Controls

- ☐ Ensure adequate space is available to locate the lifting equipment and for the storage/off loading of the pre-cast units
- ☐ Check wind speeds to ensure that additional hazards are not created by adverse conditions

HSE & Other Guidance

- ☐ GS28 Safe Erection of Structures
- ☐ HSG46 A Guide for Small Contractors: Site Safety and Concrete Construction

Comments

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CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:	A18							
Task/Activity:	Pre-Demolition Enabling Works	Project No.:								
		Date Prepared:								
HAZARDS		Likelihood			Severity				Risk Score	
Ref.	Key hazards associated with the above task/activity.	Probable	Occasional	Remote	Catastrophic	Critical	Serious	Marginal	Negligible	Likelihood x Severity
	Score:	3	2	1	5	4	3	2	1	
1	Exposure to hazardous substances (Asbestos, lead etc)	X			X					15
2	Exposure to live services	X			X					15
3	Contaminated substances from historic use of the site		X			X				8
4	Fire caused by site clearance works	X				X				12
5										
6										
7										
8										
9										
10										
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk		

PERSONS AFFECTED

PPE REQUIREMENTS

Operatives	X	Members of Public		Site Visitors	X
Other Workers	X	Managers	X	Young Persons	X
Others					

Harness & Lanyard	X	Hi-Viz Clothing	X	Respiratory Protection	X
Hearing Protection	X	Eye Protection	X	Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES

Information/Instruction/Training

- ☐ Comprehensive induction and training is required for all operatives to reinforce the inherent dangers of this work and to highlight the potential hazards which they may encounter
- ☐ Staff need to be informed of the need for good hygiene
- ☐

Managerial Controls

- ☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work
- ☐ All services to the site should be disconnected and isolated at the boundary to site before the start of works
- ☐ A full Type 3 survey should be undertaken prior to the commencement of works

Physical Controls

- ☐ All cuts and scratches should be treated and covered immediately to prevent infection
- ☐ All known hazardous substances such as Asbestos should be removed from the site prior to the start of works and clearance certificate issued
- ☐

Procedural Controls

- ☐ Smoking should not be permitted on the site
- ☐ Regular coordination meetings should be held to ensure good communications are being maintained and that the safe systems of work are being maintained
- ☐ All suspicious substances should be left intact and reported immediately to the works supervisor and works in the area stopped until the issue has been resolved
- ☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:	A19							
Task/Activity:	Propping/Falsework	Project No.:								
		Date Prepared:								
HAZARDS		Likelihood			Severity				Risk Score	
Ref.	Key hazards associated with the above task/activity. Score:	P r o b a b l e	O c c a s i o n a l	R e m o t e	C a t a s t r o p h i c	C r i t i c a l	S e r i o u s	M a r g i n a l	N e g l i g i b l e	L i k e l i h o o d x S e v e r i t y
		3	2	1	5	4	3	2	1	
1	Collapse of the falsework/propping systems									
2	Falls from height									
3	Falling materials									
4	Manual Handling									
5	Use of power tools/trailing leads									
6	Noise/vibration									
7										
8										
9										
10										
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk		

PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	X
Other Workers	X	Managers	X	Young Persons	
Others					

PPE REQUIREMENTS					
Harness & Lanyard	X	Hi-Viz Clothing	X	Respiratory Protection	X
Hearing Protection	X	Eye Protection	X	Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ Training to be provided in the use, erection and dismantling of the falsework and propping systems ☐ Ensure all staff are familiar with the sequence of operations and have copies of the plans and calculations before commencing works ☐ Ensure all persons are aware of the hazards and have the appropriate training ☐ All lifting operations should be carefully planned and coordinated by a competent person	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Ensure that the systems have been properly designed and are suitable for the chosen application, taking into account factors such as the spans, loads and use

Physical Controls	Procedural Controls
☐ All works shall be controlled by a Falsework Coordinator as defined in BS5975 ☐ Safe access and egress to the workplace should be provided, together with safe working platforms ☐ Where appropriate edge protection and fall arrest system shall be used ☐ Where appropriate protection should be put in place to prevent the falsework/props from being disturbed/moved	☐ All work should be carried out in accordance with an agreed method statement and sequence of works ☐ Falsework must not be overloaded

HSE & Other Guidance	Comments
☐ HSG46 A Guide for Small Contractors: Site Safety and Concrete Construction ☐ HSG32 Safety in Falsework for In-Situ Beams and Slabs ☐ BS5975 Code of Practice for Falsework	☐ All falsework and propping systems should be carefully designed by a competent person

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:	A21							
Task/Activity:	Site Access/Egress	Project No.:								
		Date Prepared:								
HAZARDS		Likelihood			Severity				Risk Score	
Ref.	Key hazards associated with the above task/activity.	P r o b a b l e	O c c a s i o n a l	R e m o t e	C a t a s t r o p h i c	C r i t i c a l	S e r i o u s	M a r g i n a l	N e g l i g i b l e	Like liho od x Sev erit y
	Score:	3	2	1	5	4	3	2	1	
1	Impact/collision between site traffic and other road users		X			X				8
2	Muddy roads and pavements on the site approach roads	X						X		6
3	Restricted access for emergency vehicles		X			X				8
4	Increase in the number of large/heavy delivery vehicles	X							X	3
5										
6										
7										
8										
9										
10										
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk		

PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	X
Other Workers		Managers		Young Persons	
Others	X				

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing	X	Respiratory Protection	
Hearing Protection		Eye Protection		Head Protection	
Gloves		Boots			

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ Banksmen/traffic coordinators to be given special training ☐ All staff to be informed of traffic and parking restrictions such as no parking on the approach roads	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Ensure police and other emergency services are kept informed about the works, particularly if any changes occur during the works

Physical Controls	Procedural Controls
☐ Ensure approach roads are kept clear of mud and other debris ☐ Use banksman to assist with vehicular movements into and out of the site ☐ Consider traffic control system to control traffic entering and exiting the site ☐ Ensure a properly marked pedestrian path is identified ☐ Ensure that pedestrian and vehicular traffic on the site are also separated ☐ Provide a dedicated pedestrian access to and from the site ☐ Ensure the site entrance and site roads are adequately illuminated ☐ Ensure that sufficient warning signs are displayed on the approach roads to the site	☐ Ensure that adequate parking is made available for all the staff likely to be present on the site, if this is not practical, consider establishing a park and ride scheme

HSE & Other Guidance	Comments
☐ HSG144 The Safe Use of Vehicles on Construction Sites	☐ Consider signing up for the Considerate Contractors Scheme

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:	A22							
Task/Activity:	Site Setup	Project No.:								
		Date Prepared:								
HAZARDS		Likelihood			Severity				Risk Score	
Ref.	Key hazards associated with the above task/activity.	P r o b a b l e	O c c a s i o n a l	R e m o t e	C a t a s t r o p h i c	C r i t i c a l	S e r i o u s	M a r g i n a l	N e g l i g i b l e	Like li h o o d x S e v e r i t y
	Score:	3	2	1	5	4	3	2	1	
1	Excavations		X				X			6
2	Fire		X			X				8
3	Lifting operations	X				X				12
4	Exposure to hazardous substances		X				X			6
5	Electricity	X				X				12
6										
7										
8										
9										
10										
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk		

PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	X
Other Workers	X	Managers		Young Persons	
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing	X	Respiratory Protection	
Hearing Protection	X	Eye Protection		Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Plan the layout of the site before commencing works ☐ Ensure adequate water, electricity and drainage infrastructure can be provided and where it should be connected to ☐ Adequate welfare facilities to be provided prior to the start of construction works

Physical Controls	Procedural Controls
☐ Ensure ground is capable of sustaining the loads of not only the site offices etc, but also for the crane and other vehicles which will be used at this time ☐ Ensure that operatives are issued with the appropriate PPE, first aid kits and fire extinguishers etc as none will be available on site at this stage of the works	☐ Ensure that a suitable crane is available for all lifting operations ☐ Ensure all lifting operations are carefully planned and coordinated ☐ Ensure that site safety management systems are established ☐ Ensure that all statutory notices (F10, insurances, H&S Law poster etc) are displayed

HSE & Other Guidance	Comments
☐ HSG168 Fire Safety in Construction Work	☐ As this is often one of the first operations to take place on a new site, it is essential that the works are carefully planned to take account of any unforeseen conditions etc.

CONSTRUCTION RISK ASSESSMENTS

[illegible]

Risk Assessment Scores:	10+ Very High Risk	5-9 High Risk	1-4 Low Risk
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PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	X
Other Workers	X	Managers	X	Young Persons	X
Others	X				

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing		Respiratory Protection	
Hearing Protection		Eye Protection		Head Protection	
Gloves		Boots			

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All persons using HFL's to be provided with specific training to control the risks associated with its use, this should also include the use of fire extinguishers	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work

Physical Controls	Procedural Controls
☐ HFL's to be stored in appropriate containers which are clearly marked with its contents, the lids of all containers shall be securely fitted at all times ☐ Containers will be stored in a well ventilated locked cage ☐ All spillages will be cleared up immediately	☐ Minimise the quantities of HFL's held on site ☐ Restrict access to the use of the materials ☐ Smoking to be banned in the vicinity of all HFL's

HSE & Other Guidance	Comments
☐ HSG168 Fire Safety in Construction Work	☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:			A25					
Task/Activity:		Project No.:								
		Date Prepared:								
HAZARDS		Likelihood			Severity					Risk Score
Ref.	Key hazards associated with the above task/activity.	Probable	Occasional	Remote	Catastrophic	Critical	Serious	Major	Negligible	Like liho od x Sev erit y
	Score:	3	2	1	5	4	3	2	1	
1	Fire	X			X					15
2	Explosion	X			X					15
3	Asphyxiation	X				X				12
4										
5										
6										
7										
8										
9										
10										
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk		

PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	X
Other Workers	X	Managers	X	Young Persons	X
Others	X				

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing		Respiratory Protection	
Hearing Protection		Eye Protection		Head Protection	
Gloves		Boots			

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All persons using LPG to be provided with specific training to control the risks associated with its use, this should also include the use of fire extinguishers ☐ Operatives should also be trained to identify potential leaks from containers and hoses	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Regular checks to ensure cylinders are being properly used and stored

Physical Controls	Procedural Controls
☐ LPG cylinders to be stored upright in a well ventilated locked cage, full and empty cylinders will be treated the same but stored separately ☐ Adequate ventilation will be provided in all areas where LPG is used ☐ Direct heat will not be applied to cylinders	☐ Minimise the quantities of LPG held on site ☐ Restrict access to the use of the materials ☐ Smoking to be banned in the vicinity of all LPG ☐ All hot works using LPG shall be carefully inspected to ensure the risk of fire generation is minimised

HSE & Other Guidance	Comments
☐ HSG168 Fire Safety in Construction Work	☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:					Risk Assess. No.:		A26						
Task/Activity:		Storage of Materials on Site			Project No.:								
					Date Prepared:								
HAZARDS					Likelihood			Severity			Risk Score		
Ref.	Key hazards associated with the above task/activity.				P r o b a b l e	O c c a s i o n a l	R e m o t e	C a t a s t r o p h i c	C r i t i c a l	S e r i o u s	M a r g i n a l	N e g l i g i b l e	L i k e l i h o o d x S e v e r i t y
				Score:	3	2	1	5	4	3	2	1	
1	Falling materials (as a result of poorly stacked materials)					X			X				8
2	Injury to unauthorised persons such as children					X			X				8
3	Manual handling				X					X			9
4	Mechanical handling					X					X		4
5													
6													
7													
8													
9													
10													
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk					

PERSONS AFFECTED					
Operatives	X	Members of Public		Site Visitors	
Other Workers	X	Managers		Young Persons	X
Others	X				

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing	X	Respiratory Protection	
Hearing Protection		Eye Protection		Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ Site operatives should be instructed of the need for good housekeeping standards and in maintaining a tidy well organised storage area ☐ Operatives should be informed that all chemicals are potentially hazardous and should be handled with care – reference should also be made to the appropriate COSHH assessment before use	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Sufficient space should be provided for the safe storage of all materials ☐ All areas to be regularly inspected to ensure the stability and safety of such areas

Physical Controls	Procedural Controls
☐ Perishable goods should be stored within lockable containers ☐ Pipes, drums and other similar materials should be securely chocked ☐ Follow manufacturers/suppliers storage recommendations in all cases ☐ Avoid stacking any materials more than 2m high ☐ All chemicals and fuel's shall be stored within bunded areas to reduce the risk of contamination	☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:		A30						
Task/Activity: Trial Trenches (Excavation of)		Project No.:								
		Date Prepared:								
HAZARDS		Likelihood			Severity				Risk Score	
Ref.	Key hazards associated with the above task/activity.	Probable	Occasional	Remote	Catastrophic	Critical	Serious	Marginal	Negligible	
	Score:	3	2	1	5	4	3	2	1	
1	Impact with machinery			X			X			3
2	Exposure to contaminated material		X				X			6
3	Collapse of trench sides		X				X			6
4	Falling materials		X				X			6
5										
6										
7										
8										
9										
10										
Risk Assessment Scores:		10+ Very High Risk		5-9 High Risk		1-4 Low Risk				

PERSONS AFFECTED					
Operatives	X	Members of Public		Site Visitors	
Other Workers	X	Managers	X	Young Persons	
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing	X	Respiratory Protection	
Hearing Protection		Eye Protection		Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ Ensure machine driver is trained and competent ☐ Ensure all operatives are informed of the hazards and the proposed control measures	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work

Physical Controls	Procedural Controls
☐ Check for buried services prior to the commencement of excavations ☐ Carefully hand dig around any buried services ☐ Ensure excavated material is deposited well away from edges of the trench	☐ Obtain copies of service plans from each of the statutory authorities and mark their location on the ground before commencing the excavations ☐ Do not allow persons to enter the trial trench ☐ Do not leave trial trenches unattended

HSE & Other Guidance	Comments
☐ HSG 47 Avoiding Danger from Underground Services ☐ CIS No. 8 Safety in Excavations ☐ HSG185 Health and Safety in Excavations: Be Safe and Shore	☐

CONSTRUCTION RISK ASSESSMENTS

[illegible]

Risk Assessment Scores:	10+ Very High Risk	5-9 High Risk	1-4 Low Risk
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PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	
Other Workers	X	Managers		Young Persons	
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing	X	Respiratory Protection	X
Hearing Protection	X	Eye Protection	X	Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ Inform site manager and operatives of the location, type and position of underground services ☐ All operatives should be trained in the requirements of HSG 47 Avoiding Danger From Underground Services ☐ Plant operators should be trained to CPCS level ☐ All operatives to be trained in emergency procedures to be followed in the event of a service strike	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ All services should be assumed live until proved otherwise

Physical Controls	Procedural Controls
☐ Confirm the location of services with a cable detection tool ☐ Hand dig around services to avoid damage	☐ Obtain copies of services drawings and mark them out on the surface prior to starting work ☐ Implement a permit to dig system ☐ A detailed method statement outlining the work should also be provided

HSE & Other Guidance	Comments
☐ HSG 47 Avoiding Danger from Underground Services ☐ Construction Information Sheet No. 8 Safety in Excavations ☐ HSG185 Health and Safety in Excavations: Be Safe and Shore	☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:	A36							
Task/Activity:	Excavating drains/trenches and laying drains	Project No.:								
		Date Prepared:								
HAZARDS		Likelihood			Severity				Risk Score	
Ref.	Key hazards associated with the above task/activity. Score:	P r o b a b l e	O c c a s i o n a l	R e m o t e	C a t a s t r o p h i c	C r i t i c a l	S e r i o u s	M a r g i n a l	N e g l i g i b l e	L i k e l i h o o d x S e v e r i t y
		3	2	1	5	4	3	2	1	
1	Contaminated ground		X			X				8
2	Underground/buried services	X				X				12
3	Confined spaces	X			X					15
4	Collapse of the excavation		X			X				8
5	Undermining of adjacent structures			X		X				4
6	Water ingress/flooding		X				X			6
7	Noise/vibration	X				X				12
8	Toxic/flammable gases		X			X				8
9	Oxygen deficiency		X			X				8

10	Persons/Plant/Materials falling into the excavation		x		x					10
11	Lifting operations		x				x			6
12	Storage of pipes (Collapse)	x				x				12
13	Leptospirosis (Weils Disease)		x			x				8
14	Working with raw sewage		x				x			6
15	Access to/from the trench	x					x			9
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk		

PERSONS AFFECTED					
Operatives	x	Members of Public	x	Site Visitors	x
Other Workers	x	Managers	x	Young Persons	x
Others	x				

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing	x	Respiratory Protection	
Hearing Protection	x	Eye Protection	x	Head Protection	x
Gloves	x	Boots	x		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
□ All operatives should be informed of the hazards and instructed on the required safe systems of works and control measures □ All operatives to be provided with appropriate PPE and trained in its use and application □ Staff should be trained in the use of cable location/avoidance equipment □ Staff should be informed of when and how to use support equipment for excavations/trenches □ Staff to be trained in safe excavation procedures □ All Plant operators should be CPCS (or equivalent) qualified	□ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work □ Ensure appropriate safety equipment and PPE are made available □ Ensure sufficient space is allocated for the safe storage of all materials and equipment, whilst also ensuring that sufficient working space is provided □ Ensure that operatives and others are not exposed to excessive noise and/or vibration, where necessary instigate monitoring and health surveillance

Physical Controls	Procedural Controls
□ Ensure sufficient and appropriate equipment is available to support excavations and prevent collapse □ Use a cable avoidance tool (CAT) and obtain copies of the service plans from the statutory authorities prior to proceeding with the excavations □ Carefully hand dig around buried services □ Do not stockpile pipes, excavated or other materials adjacent to the excavation □ Ensure safe access and egress is provided into the excavation □ Provide a handrail/barrier around the edge of all excavations to prevent persons falling into the excavation □ Where there is a risk of flooding from sewers, groundwater or surface runoff, a suitably sized pump should be provided to dewater the excavation	□ Excavation to be inspected each shift before the commencement of work by a competent person – record of inspections to be maintained □ Implement a permit to work system for all excavations □ Where there is a considered risk of potential ventilation problems, a gas monitor should be utilised before entry and during the works □ Appointed person and safe lifting plan required for all lifting operations

Physical Controls	Procedural Controls
☐ Provide stop logs at the edge of the excavation to stop plant and machinery falling into the excavation or overloading the edges ☐ Adequate hygiene facilities are to be provided including washbasins, soap, nail brushes and towels	

HSE & Other Guidance	Comments
☐ HSG 47 Avoiding Danger from Underground Services ☐ Construction Information Sheet No. 8 Safety in Excavations ☐ HSG185 Health and Safety in Excavations: Be Safe and Shore	☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:						Risk Assess. No.:		A49						
Task/Activity:		Laying Paving Slabs				Project No.:								
						Date Prepared:								
HAZARDS						Likelihood		Severity			Risk Score			
Ref.	Key hazards associated with the above task/activity.					Probable	Occasional	Remote	Catastrophic	Critical	Serious	Marginal	Negligible	Like liho od x Sev erit y
	Score:					3	2	1	5	4	3	2	1	
1	Manual handling					X					X			9
2	Falling/dropping slabs						X				X			6
3	Falling objects (during loading/off loading)						X		X					10
4	Crushing of hands/feet						X			X				8
5	Use of Stihl Saws/Angle Grinders					X				X				12
6	Dermatitis						X				X			6
7	Inhalation of stone/silica dust						X			X				8

8	Ejection of stone particles	x					x			9
9										
10										
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk		

PERSONS AFFECTED					
Operatives	x	Members of Public	x	Site Visitors	
Other Workers	x	Managers		Young Persons	x
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing	x	Respiratory Protection	x
Hearing Protection	x	Eye Protection	x	Head Protection	x
Gloves	x	Boots	x		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All operatives should be informed of the hazards and instructed on the required safe systems of works and control measures ☐ All operatives to be provided with appropriate PPE and trained in its use and application ☐ All operatives to be trained in safe manual handling techniques	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Ensure appropriate safety equipment and PPE are made available

Physical Controls	Procedural Controls
☐ Only appropriately trained operatives shall mount cutting discs and use such disc cutters ☐ All power tools to be either cordless or low voltage (110v or less) ☐ Restrict use of tools to trained persons over the age of 18 years ☐ Avoid trailing lead and keep walkways clear	☐ Daily checks of all equipment to be made prior to its use ☐ Clear debris and waste on a regular basis from the site ☐ Carry out a COSHH assessment to establish the risk and properties of any dusts that may be generated during the cutting of the particular slabs being used

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:		A57							
Task/Activity:		Remove and Replace Timber Fence Posts		Project No.:							
				Date Prepared:							
HAZARDS			Likelihood			Severity			Risk Score		
Ref.	Key hazards associated with the above task/activity.		P r o b a b l e	O c c a s i o n a l	R e m o t e	C a t a s t r o p h i c	C r i t i c a l	S e r i o u s	M a r g i n a l	N e g l i g i b l e	Like liho od x Sev erit y
		Score:	3	2	1	5	4	3	2	1	
1	Entanglement with moving parts (ie: Drills, saws, post augers etc)			X			X				8
2	Contact with sharp blades and other implements (Nails, barbed wire etc)			X			X				8
3	High noise levels		X					X			9
4	Hand arm vibration		X					X			9
5	Ejection of damaged tools and wood bits			X				X			6
6	Manual handling		X					X			9

7	Electric shock from damaged/worn equipment			X				X		2
8	Misuse of tools			X				X		2
9	Crushing injuries from impacts (sledge hammers, post rammers etc)			X			X			3
10	Overturning vehicles on uneven ground			X			X			3
11										
12										
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk		

PERSONS AFFECTED					
Operatives	X	Members of Public		Site Visitors	
Other Workers		Managers		Young Persons	X
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing	X	Respiratory Protection	
Hearing Protection	X	Eye Protection	X	Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All operatives should be informed of the hazards and instructed on the required safe systems of works and control measures ☐ All operatives to be provided with appropriate PPE and trained in its use and application ☐ All operatives to be trained in safe manual handling techniques	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Ensure appropriate safety equipment and PPE are made available

Physical Controls	Procedural Controls
☐ All power tools to be either cordless or low voltage (110v or less) ☐ Restrict use of tools to trained persons over the age of 18 years ☐ All plant operators to be trained competent and experienced in the use and operation of the machinery ☐ Avoid trailing leads and keep walkways clear	☐ Daily checks of all equipment to be made prior to its use ☐ Carry out COSHH assessment on all substances used, wherever possible substitute for less hazardous substance ☐ Clear debris and waste on a regular basis

HSE & Other Guidance	Comments
☐ Provision and Use of Work Equipment Regulations ☐ Control of Noise at Work Regulations ☐ Control of Vibration at Work Regulations ☐ Management of Health and Safety at Work Regulations	☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:	A59							
Task/Activity:	Replacing Manhole Cover	Project No.:								
		Date Prepared:								
HAZARDS		Likelihood		Severity			Risk Score			
Ref.	Key hazards associated with the above task/activity.	P r o b a b l e	O c c a s i o n a l	R e m o t e	C a t a s t r o p h i c	C r i t i c a l	S e r i o u s	M a r g i n a l	N e g l i g i b l e	Like li h o o d x S e v e r i t y
	Score:	3	2	1	5	4	3	2	1	
1	Manual handling		X				X			6
2	Lifting operations		X			X				8
3	Contact with sewage/contamination		X				X			6
4	Leptospirosis (Weils disease)		X				X			6
5	Use of abrasive wheels	X					X			9
6	Dermatitis from contact with cementitious products			X				X		2
7	Falls of personnel, tools, materials etc into manhole			X			X			3
8	Confined space working			X		X				4
9	Excessive noise and vibration		X					X		4

10	Crushing injuries caused by manhole covers		x				x			6
11	Work in close proximity to live traffic	x					x			12
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk		

PERSONS AFFECTED					
Operatives	x	Members of Public		Site Visitors	
Other Workers		Managers		Young Persons	x
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing	x	Respiratory Protection	x
Hearing Protection	x	Eye Protection	x	Head Protection	x
Gloves	x	Boots	x		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All operatives should be informed of the hazards and instructed on the required safe systems of works and control measures ☐ All operatives to be provided with appropriate PPE and trained in its use and application ☐ All operatives to be informed and instructed of the risk and hazards of working adjacent to live traffic ☐ Appropriately qualified site supervisor trained in accordance with the NRSWA to be on site at all times ☐ All operatives to be NRSWA certified ☐ All operatives to be familiar with the requirements of Chapter 8 of the Street Works Manual ☐ All operatives to be trained in safe manual handling techniques	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Ensure appropriate safety equipment and PPE are made available

Physical Controls	Procedural Controls
☐ During the setting up of the traffic management systems, vehicles with roof mounted flashing amber beacons, men at work signs and keep left/right arrows shall be used to provide protection to the operatives setting out the cones, barriers and signage etc ☐ Advance warning signs will be erected on the approaches to the works area to warn motorists of the impending works ☐ All staff will wear high visibility clothing when working in the public highway ☐ Sufficient road width will be provided to enable buses, cars and lorries etc to pass safely ☐ Only appropriately trained operatives shall mount cutting discs and use such disc cutters ☐ Ensure adequate protection and barriers are erected to prevent persons falling in to open manholes	☐ All traffic management proposals should be carefully planned in advance and agreed with the highways authorities and where applicable with the emergency services ☐ All traffic management schemes are to be designed in accordance with Chapter 8 of the NRSWA ☐ Ensure sufficient supplies of cones, signs and other products are available before the commencement of operations ☐ Operatives will always face the traffic when setting out cones, barriers and signs etc ☐ Regular inspection and checking of signs and other elements of the traffic management proposals will be carried out to ensure they remain in the correct position etc

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing	X	Respiratory Protection	
Hearing Protection		Eye Protection		Head Protection	X
Gloves		Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
❑ All operatives to be informed and instructed of the risk and hazards of working adjacent to live traffic ❑ Appropriately qualified site supervisor trained in accordance with the NRSWA to be on site at all times ❑ All banksmen should be properly trained and competent to fulfil the role of a banksman, including being familiar with the necessary standard hand signals to aid and assist drivers	❑ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work

Physical Controls

- All banksman will wear high visibility clothing at all times, this should be distinct colour to differentiate them from other workers on the site, for instance if yellow is the standard high vis colour, banksmen should be provided with day-glo orange hi visibility clothing
- The banksman is to stay in full visibility of the driver (via his mirrors) at all times, the driver should stop moving if he loses sight of the banksman
- The banksman should stand in a safe position, from which to guide the reversing vehicle without being in its way
- Where vehicles reverse up to structures or edges, barriers or wheel stops can be used to warn drivers that they need to stop
- Ensure that all other pedestrians are kept clear of any reversing operation and have a safe dedicated pedestrian access route around the site

Procedural Controls

- All traffic management schemes are to be designed in accordance with Chapter 8 of the NRSWA
- Operatives will always face the traffic when setting out cones, barriers and signs etc
- The site should be planned and laid out so as to eliminate or at least minimise the need for reversing operations
- Where reversing cannot be eliminated, specific turning areas should be provided to assist vehicles
- No vehicle shall be permitted to reverse unless being guided by an approved competent banksman
- All vehicles should be equipped with automatic audible reversing alarms to warn others in the vicinity

HSE & Other Guidance	
☐	CIS No. 52 – Crossing High Speed Roads on Foot During Temporary Traffic Management Works

Comments	
☐	Consider whether portable radios or similar communication systems would be helpful

HSE & Other Guidance	Comments
☐ Safety at Street Works and Road Works – A Code of Practice ☐ HSG144 The Safe Use of Vehicles on Construction Sites	

CONSTRUCTION RISK ASSESSMENTS

Project Title:						Risk Assess. No.:		B01						
Task/Activity:		Abrasive Wheels				Project No.:								
						Date Prepared:								
HAZARDS						Likelihood		Severity			Risk Score			
Ref.	Key hazards associated with the above task/activity.					Probable	Occasional	Remote	Catastrophic	Critical	Serious	Marginal	Negligible	Like liho od x Sev erit y
	Score:					3	2	1	5	4	3	2	1	
1	Burst wheel/disc						X				X			6
2	Flying debris from wheel/disc						X				X			6
3	Flying debris from material being cut/ground						X				X			6
4	Noise/Vibration					X						X		6

5	Inhalation of dust	X						X		6
6	Contact with cutting wheel/disc		X			X				8
7	Entanglement of clothing in moving parts			X			X			3
8										
9										
10										
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk		

PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	
Other Workers	X	Managers		Young Persons	X
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing		Respiratory Protection	X
Hearing Protection	X	Eye Protection	X	Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
□ All persons changing abrasive wheels/cutting discs shall be trained in accordance with the requirements of current regulations □ All operatives to be trained in the selection and use of abrasive wheels/ cutting discs □ All operatives using abrasive wheels should be instructed to warn other persons in the area who may be affected by their work and ensure that they remain at a safe distance □ All operatives to be trained in the use of the appropriate PPE	□ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work □ Only competent fully trained persons shall be authorised to change/mount abrasive wheels, all such persons shall be formally appointed by the company and recorded on a central register □ The register shall be maintained together with copies of training certificates for all persons qualified/authorises to change abrasive wheels □ Managers to ensure that sufficient supplies of the correct type of cutting disc/wheel are always available

Physical Controls	Procedural Controls
□ All wheels/discs to be inspected prior to use/mounting □ Checks to be made to ensure the correct disc has been selected □ Operators shall not apply excessive pressure to the disc during the cutting operation and shall ensure that the correct speed is used for the disc □ Adequate and appropriate storage facilities to be provided for the storage of cutting discs/wheels and associated equipment □ All required PPE as stated above shall be inspected and assessed for its suitability prior to use □ No loose clothing or other material shall be worn or in the vicinity of the cutting operation □ Operators shall only commence cutting operations when it is safe to do and they shall ensure that they have a firm footing at all times □ Ensure guards are properly positioned to minimise the risk of injury should the cutting disc/wheel fail	□ Disc cutters and abrasive wheels shall only be used by appropriately trained and competent persons □ Staff to ensure that the area adjacent to the cutting operations are either kept clear or that sufficient shielding is provided to guard other operatives/members of the public from flying sparks, dust and other debris □ Ensure adequate ventilation is provided in areas where ventilation is poor □ Where there is a potential fire risk, ensure an appropriate fire extinguisher is available

HSE & Other Guidance	Comments
☐ HSG17 Safety In the Use of Abrasive Wheels	☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:					Risk Assess. No.:		B05						
Task/Activity:		Dump Trucks			Project No.:								
					Date Prepared:								
HAZARDS					Likelihood		Severity				Risk Score		
Ref.	Key hazards associated with the above task/activity.				Probable	Occasional	Remote	Catastrophic	Critical	Serious	Marginal	Negligible	Likelihood x Severity
	Score:				3	2	1	5	4	3	2	1	
1	Overturning					X			X				8
2	Falls into excavations					X			X				8

3	Noise/vibration		x					x		4
4	Impact with pedestrians			x			x			3
5	Impact with other vehicles			x			x			3
6	Falls from the dump truck		x				x			6
7										
8										
9										
10										
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk		

PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	X
Other Workers	X	Managers	X	Young Persons	X
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing	X	Respiratory Protection	
Hearing Protection	X	Eye Protection		Head Protection	X
Gloves		Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All drivers to be competent trained to CPCS standard ☐ All drivers to have full driving ☐ Drivers to be trained to carry out basic safety checks before use	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Only competent and appropriately trained drivers over the age of 18 years to be permitted to drive dump trucks

Physical Controls	Procedural Controls
☐ Driver to dismount the vehicle whilst it is being loaded ☐ Seat belts are to be secured at all times ☐ All dump trucks to be fitted with Roll Over Protection System (ROPS) ☐ Handbrake to be applied whenever stationary, tipping or being loaded ☐ Driver to ensure there are no projecting elements before proceeding ☐ Dump truck engines to be turned off, keys removed, hand brake applied and wheels chocked whenever it is left unattended ☐ A banksman shall be used for all reversing and tipping operations ☐ Extra care and caution should be exercised whenever working on slopes, especially when crossing the gradient	☐ Any driver suspected to be under the influence of alcohol shall not be permitted to drive a dump truck ☐ Passengers should never be carried on any dump truck ☐ Speed limits to be strictly enforced ☐ Adequate site lighting shall be provided during periods of operation in poor light ☐ Clearly marked pedestrian routes shall be identified on site to ensure vehicular and pedestrian traffic are kept separate

HSE & Other Guidance	Comments
☐ HSE Guidance – Working with Small Dump Trucks	☐

HSE & Other Guidance	Comments
☐ HSG144 The Safe Use of Vehicles on Construction Sites	

CONSTRUCTION RISK ASSESSMENTS

Project Title:						Risk Assess. No.:		B06						
Task/Activity:		Electrical Hand Tools/Equipment				Project No.:								
						Date Prepared:								
HAZARDS						Likelihood		Severity			Risk Score			
Ref.	Key hazards associated with the above task/activity.					Probable	Occasional	Remote	Catastrophic	Critical	Serious	Marginal	Negligible	Likelihood x Severity

		Score:	3	2	1	5	4	3	2	1	
1	Electrocution				X	X					5
2	Noise/vibration			X				X			6
3	Flying particles from the material being worked			X					X		4
4	Flying particles from damaged tools				X			X			3
5	Trailing cables			X					X		4
6	Entanglement with moving parts				X			X			3
7	Sudden/unexpected movement of the tool			X					X		4
8											
9											
10											
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk			

PERSONS AFFECTED					
Operatives	X	Members of Public		Site Visitors	
Other Workers		Managers		Young Persons	X
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing		Respiratory Protection	X
Hearing Protection	X	Eye Protection	X	Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All operatives and others in the area should be advised when noise, dust and other flying particles are likely to be present ☐ All operatives should be instructed in how to inspect and check the equipment prior to using it ☐ All operatives to be trained in the use, selection and storage of the tools they use ☐ At least one person on site shall have received training in electric shock treatment	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work

Physical Controls	Procedural Controls
☐ All electrical power tools to be 110v or less ☐ Power sockets shall not be overloaded ☐ The supply voltage shall always be within the operating range of the selected tool ☐ Trailing cables shall be managed to reduce the risk of slips, trips and falls ☐ All tools shall be earthed or double insulated ☐ Temporary and impromptu repairs shall not be allowed ☐ All tools and cables shall be inspected before use ☐ Transformers shall be centre tapped to earth ☐ When not in use, all tools shall be disconnected from its electrical supply ☐ All damaged and defective equipment shall immediately be taken out of use, reported to the supervisor and marked as being defective	☐ A planned preventative maintenance system shall be implemented whereby all equipment shall be regularly inspected, tested and maintained in accordance with manufacturers recommendations ☐ Where equipment is to be used in damp or confined spaces, management shall be responsible for ensure the correctly rated equipment is made available

HSE & Other Guidance	Comments
☐ HSE Guidance Notes – Safe Use of Portable Electrical Equipment ☐ Electricity on Construction Sites ☐ HSE Information Sheet – Maintenance of Portable Electrical Equipment	☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:	B07		
Task/Activity:	Excavators	Project No.:			
		Date Prepared:			
HAZARDS		Likelihood	Severity	Risk Score	

Ref.	Key hazards associated with the above task/activity.	Score:	3	2	1	5	4	3	2	1	Like lihood x Sev erity
			Probable	Occasional	Remote	Catastrophic	Critical	Serious	Marginal	Negligible	
1	Impact of machine with persons or other objects			X		X					10
2	Contact with live power cables			X			X				8
3	Overturning of machine/collapse of ground beneath machine				X		X				4
4	Excavator arm dropping inadvertently				X				X		2
5	Falling material			X					X		4
6											
7											
8											
9											
10											
Risk Assessment Scores:		10+ Very High Risk	5-9 High Risk			1-4 Low Risk					

PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	
Other Workers	X	Managers		Young Persons	
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing	X	Respiratory Protection	
Hearing Protection	X	Eye Protection		Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All machine drivers are to be competent for the specific plant they operate, this should include formal certification to CPCS or equivalent ☐ All drivers to be informed of main traffic and pedestrian routes together with any traffic management details	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Management to ensure that the correct excavator for the job has been selected

Physical Controls	Procedural Controls
☐ No persons to be permitted within the operating range of the machine without the operators permission ☐ Loads must not be slued over persons, site accommodation or other occupied areas ☐ A banks man should be used to assist the machine operator when excavating and traversing ☐ All machines shall be inspected before and after use	☐ Supervisors are to ensure safe excavating techniques are implemented at all time, including the identification of buried and overhead services

Physical Controls	Procedural Controls
☐ If the machine is to be left unattended the keys shall be removed and the excavator secured ☐ A minimum distance of 600mm shall be left between the outer radius of the machine and any structures/obstructions ☐ Care to be taken when operating on inclines and when traversing slopes	

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:	B08
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Task/Activity: Excavators Used for Lifting		Project No.:							
		Date Prepared:							
HAZARDS		Likelihood			Severity			Risk Score	
Ref.	Key hazards associated with the above task/activity.	Probable	Occasional	Remote	Catastrophic	Critical	Serious	Marginal	Negligible
	Score:	3	2	1	5	4	3	2	1
1	Unintended movement, release or dropping of the load		X			X			
2	Contact with overhead obstruction/cable			X			X		
3	Impact with person			X		X			
4									
5									
Risk Assessment Scores:		10+ Very High Risk		5-9 High Risk		1-4 Low Risk			

PERSONS AFFECTED					
Operatives	X	Members of Public		Site Visitors	
Other Workers	X	Managers		Young Persons	
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing	X	Respiratory Protection	
Hearing Protection		Eye Protection		Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All machine drivers are to be competent for the specific plant they operate, this should include formal certification to CPCS or equivalent ☐ Competent, experienced and trained slinger to be used to sling loads and direct machine operator	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Management to ensure that the correct excavator for the job has been selected ☐ Only excavators with a valid test certificate shall be used for lifting operations ☐ Only chains, slings and other lifting accessories with a valid test certificate shall be used for lifting operations

Physical Controls	Procedural Controls
☐ No persons to be permitted within the operating range of the machine without the operators permission ☐ Loads must not be slued over persons, site accommodation or other occupied areas	☐ SWL of the excavator must be clearly identified on the machine and should not be exceeded ☐ The weight of the item to be lifted shall be assessed prior to the lifting operation

Physical Controls	Procedural Controls
☐ A banks man should be used to assist the machine operator when excavating and traversing ☐ All machines shall be inspected before and after use ☐ The machine shall be sited on a firm, level base	

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:		B10						
Task/Activity:		Project No.:								
		Date Prepared:								
HAZARDS		Likelihood		Severity						
Ref.	Key hazards associated with the above task/activity.	Probable	Occasional	Remote	Catastrophic	Critical	Serious	Marginal	Negligible	Risk Score
	Score:	3	2	1	5	4	3	2	1	Like liho od x Sev erit y
1	Cuts and harm caused by high pressure water jets		X				X			6
2	Electrocution			X	X					5
3	Dermatitis/Irritations Caused by Cleaning Chemical		X					X		4
4										
5										
6										
7										
8										
9										
10										
Risk Assessment Scores:		10+ Very High Risk		5-9 High Risk		1-4 Low Risk				

PERSONS AFFECTED					
Operatives	X	Members of Public		Site Visitors	
Other Workers	X	Managers		Young Persons	X
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing		Respiratory Protection	
Hearing Protection		Eye Protection	X	Head Protection	X
Gloves	X	Boots	X	Waterproof s	X

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ Operatives to be trained in the use of the equipment, its maintenance and inspection prior to use ☐ Operatives to be instructed in the hazards and harm which can be caused by directing high pressure jets at other persons	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work

Physical Controls	Procedural Controls
☐ Electrical supply to be protected with a residual current device (RCD) ☐ Cables to be placed where they will not be subject to damage or abrasion from other equipment and site traffic ☐ Supply voltage to be 110v or less ☐ Equipment to be contained within a splash proof case and no element of the casing should be damaged or removed whilst in use ☐ All PPE to be worn at all times and warning signs to be erected in the area where the work is taking place	☐ High pressure power washing equipment shall not be used where works on live electricity are being undertaken

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:		B11							
Task/Activity:		Hydraulic and Pneumatic Tools/Equipment		Project No.:							
				Date Prepared:							
HAZARDS			Likelihood		Severity						
Ref.	Key hazards associated with the above task/activity.		Probable	Occasional	Remotely	Catastrophic	Critical	Serious	Major	Negligible	Risk Score
		Score:	3	2	1	5	4	3	2	1	Like liho od x Sev erit y
1	Hydraulic fluids		X					X			6
2	Compressed air		X					X			6
3	Failure of hoses or couplings			X					X		2
4	Flying debris		X					X			6
5	Noise/Vibration	X						X			9
6	Manual handling	X						X			9
7	Inhalation of exhaust fumes			X					X		2
8	Unanticipated movement of tools			X					X		4
9											
10											
Risk Assessment Scores:		10+ Very High Risk		5-9 High Risk		1-4 Low Risk					

PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	
Other Workers	X	Managers		Young Persons	
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing	X	Respiratory Protection	
Hearing Protection	X	Eye Protection	X	Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All operatives to be informed of the health risks from hydraulic fluids and compressed air ☐ Operatives to receive full training in the use, storage, and general care of equipment ☐ Full manual handling training to be provided to all operatives	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Wherever possible, ensure anti-vibration tools are used

Physical Controls	Procedural Controls
☐ Duration of exposure to be controlled to reduce the risk of vibration related illnesses	☐ Ensure correct tool for the job has been selected ☐ All damaged tools, hoses and other equipment shall be taken out of use and reported to the site supervisor

HSE & Other Guidance	Comments
☐ HSG39 Compressed Air Safety	☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:		B13						
Task/Activity:		Project No.:								
		Date Prepared:								
HAZARDS		Likelihood		Severity						
Ref.	Key hazards associated with the above task/activity.	Probable	Occasional	Remote	Catastrophic	Critical	Serious	Major	Negligible	Risk Score
	Score:	3	2	1	5	4	3	2	1	Like liho od x Sev erit y
1	Splintering/shattering tools			X			X			3
2	Sharp blades/edges		X				X			6
3	Manual handling		X				X			6
4	Damaged tools		X					X		4
5	Incorrect tool for the job			X			X			3
6										
Risk Assessment Scores:		10+ Very High Risk		5-9 High Risk		1-4 Low Risk				

PERSONS AFFECTED					
Operatives	X	Members of Public		Site Visitors	
Other Workers	X	Managers		Young Persons	
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing		Respiratory Protection	
Hearing Protection		Eye Protection	X	Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ General awareness training required, together with specific training for any unusual tools ☐ Operatives should be trained to clean, store and maintain all tools	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work

Physical Controls	Procedural Controls
☐ Appropriate PPE to be work ☐ Damage tools to be returned to the supervisor ☐ All tools shall be regularly inspected and maintained ☐ Tools should only be used for their intended purpose	☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:					Risk Assess. No.:		B17						
Task/Activity:		Mechanical Roller			Project No.:								
					Date Prepared:								
HAZARDS					Likelihood		Severity			Risk Score			
Ref.	Key hazards associated with the above task/activity.				Probable	Occasional	Remote	Catastrophic	Critical	Serious	Marginal	Negligible	Like lihood x Seve rit y
	Score:				3	2	1	5	4	3	2	1	
1	Falls into excavations					X			X				8
2	Noise/vibration					X				X			6
3	Impact with pedestrians						X			X			3
4	Impact with other vehicles						X			X			3
5	Crushing of feet						X		X				4
6													
7													
8													
9													
10													
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk					

PERSONS AFFECTED					
Operatives	X	Members of Public		Site Visitors	
Other Workers		Managers		Young Persons	X
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing	X	Respiratory Protection	
Hearing Protection	X	Eye Protection		Head Protection	
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All operatives should be informed of the hazards and instructed on the required safe systems of works and control measures ☐ All operatives to be provided with appropriate PPE and trained in its use and application	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Ensure appropriate safety equipment and PPE are made available

ADDITIONAL CONTROL MEASURES

Information/Instruction/Training

- ☐ Operators to be trained to carry out basic safety checks before use

Managerial Controls

- ☐ Only competent and appropriately trained operators over the age of 18 years to be permitted to operate the equipment

Physical Controls

- ☐ Ride-on rollers to be fitted with Roll Over Protection System (ROPS)
- ☐ Handbrake to be applied whenever stationary
- ☐ Operator to ensure there are no projecting elements before proceeding
- ☐ Engine to be turned off, keys removed, hand brake applied whenever it is left unattended
- ☐ Extra care and caution should be exercised whenever working on slopes, especially when crossing the gradient

Procedural Controls

- ☐ Passengers should never be carried on plant and equipment unless it has been specifically designed for that purpose

HSE & Other Guidance

- ☐ HSG144 The Safe Use of Vehicles on Construction Sites

Comments

- ☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:					Risk Assess. No.:		B18						
Task/Activity:		Excavators and Dumpers			Project No.:								
					Date Prepared:								
HAZARDS					Likelihood		Severity			Risk Score			
Ref.	Key hazards associated with the above task/activity.				Probable	Occasional	Remote	Catastrophic	Critical	Serious	Marginal	Negligible	Like lihood x Severit y
	Score:				3	2	1	5	4	3	2	1	
1	Overturning					X			X				8
2	Falls into excavations					X			X				8
3	Noise/vibration					X					X		4
4	Impact with pedestrians						X			X			3
5	Impact with other vehicles						X			X			3
6	Falls from the dump truck					X				X			6
7	Contact with live power cables					X			X				8
8	Overturning of machine/collapse of ground beneath machine						X		X				4
9	Excavator arm dropping inadvertently						X				X		2
10	Falling material					X					X		4
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk					

PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	X
Other Workers	X	Managers	X	Young Persons	X
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing	X	Respiratory Protection	
Hearing Protection	X	Eye Protection		Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES

Information/Instruction/Training

- ☐ All operatives should be informed of the hazards and instructed on the required safe systems of works and control measures
- ☐ All operatives to be provided with appropriate PPE and trained in its use and application
- ☐ All drivers to be competent and trained to CPCS standard or equivalent
- ☐ All drivers to have full driving licences
- ☐ Drivers to be trained to carry out basic safety checks before use

Managerial Controls

- ☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work
- ☐ Ensure appropriate safety equipment and PPE are made available
- ☐ Only competent and appropriately trained drivers over the age of 18 years to be permitted to drive dump trucks or excavators

Physical Controls

- ☐ Driver to dismount dumpers whilst it is being loaded
- ☐ Seat belts are to be secured at all times
- ☐ All dump trucks and mini excavators are to be fitted with a Roll Over Protection System (ROPS)
- ☐ Handbrake to be applied whenever the vehicles are stationary, tipping, excavating, loading or being loaded
- ☐ Driver to ensure there are no projecting elements before proceeding
- ☐ Dump truck and excavator engines to be turned off, keys removed, hand brake applied and wheels chocked whenever it is left unattended
- ☐ A banksman shall be used for all reversing and tipping operations
- ☐ A minimum distance of 600mm shall be left between the outer radius of the machine and any structures/obstructions
- ☐ Extra care and caution should be exercised whenever working on slopes, especially when crossing the gradient

Procedural Controls

- ☐ Ensure all equipment is regularly inspected and maintained in accordance with the manufacturer's recommendations and statutory requirements
- ☐ Supervisors are to ensure safe excavating techniques are implemented at all time, including the identification of buried and overhead services
- ☐ Any driver suspected to be under the influence of alcohol shall not be permitted to drive or operate any dump truck or excavator and should be removed from site
- ☐ Passengers should never be carried on any dump truck or excavator unless it has been specifically designed for that purpose
- ☐ Speed limits to be strictly enforced
- ☐ Adequate site lighting shall be provided during periods of operation in poor light
- ☐ Clearly marked pedestrian routes shall be identified on site to ensure vehicular and pedestrian traffic are kept separate

HSE & Other Guidance

- ☐ HSE Guidance – Working with Small Dump Trucks
- ☐ HSG144 The Safe Use of Vehicles on Construction Sites

Comments

☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:	B21							
Task/Activity:	Stihl Saw	Project No.:								
		Date Prepared:								
HAZARDS		Likelihood	Severity				Risk Score			
Ref.	Key hazards associated with the above task/activity.	Probable 3 Occasional 2 Remote 1	Catastrophic 5 Critical 4 Serious 3 Marginal 2 Negligible 1				Likelihood x Severity			
	Score:	3	2	1	5	4	3	2	1	
1	Burst wheel/disc		X				X			6
2	Flying debris from wheel/disc		X				X			6
3	Flying debris from material being cut		X				X			6
4	Noise/Vibration	X						X		6
5	Inhalation of dust	X						X		6
6	Contact with cutting wheel/disc		X			X				8
7	Entanglement of clothing in moving parts			X			X			3
8	Impact with adjacent vehicles/road users			X		X				4
9	Fire – petrol coming into contact with hot surfaces		X				X			6
10										
Risk Assessment Scores:		10+ Very High Risk		5-9 High Risk		1-4 Low Risk				

PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	X
Other Workers	X	Managers	X	Young Persons	X

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing	X	Respiratory Protection	X
Hearing Protection	X	Eye Protection	X	Head Protection	X

Others					
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Gloves	X	Boots	X		
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ADDITIONAL CONTROL MEASURES

Information/Instruction/Training	Managerial Controls
☐ All persons changing abrasive wheels/cutting discs shall be trained in accordance with the requirements of current regulations ☐ All operatives to be trained in the selection and use of abrasive wheels/cutting discs and Stihl Saws ☐ All operatives using Stihl Saws should be instructed to warn other persons in the area who may be affected by their work and ensure that they remain at a safe distance ☐ All operatives to be trained in the use of the appropriate PPE	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Only competent fully trained persons shall be authorised to change/mount abrasive wheels, all such persons shall be formally appointed by the company and recorded on a central register ☐ The register shall be maintained together with copies of training certificates for all persons qualified/authorised to change abrasive wheels and cutting discs ☐ Managers to ensure that sufficient supplies of the correct type of cutting disc/wheel are always available

Physical Controls	Procedural Controls
☐ All wheels/discs to be inspected prior to use/mounting ☐ Checks to be made to ensure the correct disc/blade has been selected ☐ Operators shall not apply excessive pressure to the disc during the cutting operation and shall ensure that the correct speed is used for the disc ☐ Where the work involves cutting road surfaces etc, ensure that the surface is kept damp/wet to reduce the extent of dust ☐ Adequate and appropriate storage facilities to be provided for the storage of cutting discs/wheels and associated equipment ☐ All required PPE as stated above shall be inspected and assessed for its suitability prior to use ☐ No loose clothing or other material shall be worn or in the vicinity of the cutting operation ☐ Operators shall only commence cutting operations when it is safe to do and they shall ensure that they have a firm footing at all times ☐ Ensure guards are properly positioned to minimise the risk of injury should the cutting disc/wheel fail ☐ Where work is to be carried out in/adjacent to the public highway, or any site road/haulage route all staff will be required to wear hi-visibility clothing and erect appropriate traffic signage in accordance with Chapter 8 of the NRSWA	☐ Stihl saws shall only be used by appropriately trained and competent persons ☐ Staff to ensure that the area adjacent to the cutting operations are either kept clear or that sufficient shielding is provided to guard other operatives/members of the public from flying sparks, dust and other debris ☐ Ensure adequate ventilation is provided in areas where ventilation is poor ☐ Where there is a potential fire risk, ensure an appropriate fire extinguisher is to be made available ☐ All damaged discs and cutting wheels are to be taken out of use and disposed of ☐ Ensure that fuel is properly and securely stored away from sources of heat and ignition ☐ Never refuel the saw whilst it is turned on

HSE & Other Guidance	Comments
☐ HSG17 Safety In the Use of Abrasive Wheels	☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:				Risk Assess. No.:		B22						
Task/Activity:		Use of Concrete Mixers (Electric and Petrol Powered)		Project No.:								
				Date Prepared:								
HAZARDS				Likelihood		Severity			Risk Score			
Ref.	Key hazards associated with the above task/activity.			Probable	Occasional	Remote	Catastrophic	Critical	Serious	Major	Negligible	Likehood x Severity
			Score:	3	2	1	5	4	3	2	1	
1	Noise/Vibration			X					X			9
2	Manual handling			X					X			9
3	Entanglement of tools and limbs with moving parts of mixer				X			X				8
4	Inhalation of toxic fumes and dusts				X					X		4
5	Fire (from fuel spilling onto hot exhaust)				X			X				8
6	Trailing cables				X					X		4
7	Electrocution from damaged cables or short circuits					X	X					5
8	Dust water and cement getting into eyes				X				X			6
9	Dermatitis			X					X			9
10												
Risk Assessment Scores:		10+ Very High Risk		5-9 High Risk			1-4 Low Risk					

PERSONS AFFECTED					
Operatives	X	Members of Public		Site Visitors	
Other Workers		Managers		Young Persons	X

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing		Respiratory Protection	X
Hearing Protection	X	Eye Protection	X	Head Protection	

Others					
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Gloves	X	Boots	X		
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ADDITIONAL CONTROL MEASURES

Information/Instruction/Training	Managerial Controls
☐ All operatives should be informed of the hazards and instructed on the required safe systems of works and control measures ☐ All operatives to be provided with appropriate PPE and trained in its use and application ☐ All operatives should be instructed in how to inspect and check the equipment prior to using it	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Ensure appropriate safety equipment and PPE are made available ☐ Ensure plant and equipment is properly maintained inspected and certified

Physical Controls	Procedural Controls
☐ Electrically powered mixers are to be 110v or less ☐ Trailing cables shall be managed to reduce the risk of slips, trips and falls ☐ All mixers shall be earthed or double insulated ☐ Temporary and impromptu repairs to power cables shall not be allowed ☐ All tools and cables shall be inspected before use ☐ Transformers shall be centre tapped to earth ☐ When not in use, all tools shall be disconnected from its electrical supply ☐ All damaged and defective equipment shall immediately be taken out of use, reported to the supervisor and marked as being defective ☐ Fuel/petrol shall be securely stored in airtight sealed containers, these are to be kept in a secure store away from sources of heat and direct sunlight ☐ Care should be taken when refuelling petrol driven mixers to ensure no fuel is spilt on to the exhaust which may in turn cause a fire hazard ☐ Under no circumstances should a spade or other implement be inserted into the drum of a cement mixer whilst it is switched on or operational	☐ A planned preventative maintenance system shall be implemented whereby all equipment shall be regularly inspected, tested and maintained in accordance with the manufacturers recommendations ☐ Where equipment is to be used in damp or confined spaces, management shall be responsible for ensure the correctly rated equipment is made available

HSE & Other Guidance	Comments
☐ HSE Guidance Notes – Safe Use of Portable Electrical Equipment ☐ Electricity on Construction Sites ☐ HSE Information Sheet – Maintenance of Portable Electrical Equipment	☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:		B23						
Task/Activity: Use of Electric Concrete Breakers		Project No.:								
		Date Prepared:								
HAZARDS		Likelihood			Severity			Risk Score		
Ref.	Key hazards associated with the above task/activity.	P r o b a b l e	O c c a s i o n a l	R e m o t e	C a t a s t r o p h i c	C r i t i c a l	S e r i o u s	M a r g i n a l	N e g l i g i b l e	L i k e l i h o o d x S e v e r i t y
	Score:	3	2	1	5	4	3	2	1	
1	Hand arm vibration	X					X			9
2	Excessive noise levels	X					X			9
3	Manual handling	X					X			9
4	Electrocution from damaged cables or short circuits			X			X			3
5	Inhalation of dust	X						X		6
6	Impact with adjacent vehicles/road users			X		X				4
7	Unanticipated movement of tools		X					X		4
8	Flying debris		X					X		4
9										
10										
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk		

PERSONS AFFECTED					
Operatives	X	Members of Public		Site Visitors	
Other Workers		Managers		Young Persons	X

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing	X	Respiratory Protection	X
Hearing Protection	X	Eye Protection	X	Head Protection	X

Others					
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Anti-vibration Gloves	X	Boots	X		
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ADDITIONAL CONTROL MEASURES

Information/Instruction/Training	Managerial Controls
☐ All operatives should be informed of the hazards and instructed on the required safe systems of works and control measures for the tools being used ☐ All operatives to be provided with appropriate PPE and trained in its use and application ☐ Operatives to receive full training in the use, storage, and general care of equipment ☐ Full manual handling training to be provided to all operatives	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Ensure appropriate safety equipment and PPE are made available ☐ Select low vibration and low noise models when procuring plant and equipment

Physical Controls	Procedural Controls
☐ Limit duration of exposure to reduce the level of risks from exposure to high noise and vibration levels ☐ Only 110v or less tools are to be used ☐ Trailing cables shall be managed to reduce the risk of slips, trips and falls ☐ All breakers shall be earthed or double insulated ☐ Temporary and impromptu repairs to power cables shall not be allowed ☐ All tools and cables shall be inspected before use ☐ Transformers shall be centre tapped to earth ☐ When not in use, all tools shall be disconnected from its electrical supply ☐ All damaged and defective equipment shall immediately be taken out of use, reported to the supervisor and marked as being defective	☐ A planned preventative maintenance system shall be implemented whereby all equipment shall be regularly inspected, tested and maintained in accordance with manufacturers recommendations ☐ Ensure correct tool for the job has been selected

HSE & Other Guidance	Comments
☐ HSE Guidance Notes – Safe Use of Portable Electrical Equipment ☐ Electricity on Construction Sites ☐ HSE Information Sheet – Maintenance of Portable Electrical Equipment ☐ INDG296 Hand Arm Vibration – Advice for Employees ☐ INDG362 Noise at Work – Advice for Employers	☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:					Risk Assess. No.:		C03						
Task/Activity:		Fragile Roofs			Project No.:								
					Date Prepared:								
HAZARDS					Likelihood			Severity			Risk Score		
Ref.	Key hazards associated with the above task/activity.				Probable	Occasional	Remote	Catastrophic	Critical	Serious	Marginal	Negligible	Likelihood x Severity
	Score:				3	2	1	5	4	3	2	1	
1	Falls through fragile materials				X			X					15
2	Traversing across fragile roofs				X			X					15
3													
4													
5													
6													
7													
8													
9													
10													
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk					

PERSONS AFFECTED

PPE REQUIREMENTS

Operatives	X	Members of Public		Site Visitors	
Other Workers	X	Managers		Young Persons	X
Others	X				

Harness & Lanyard	X	Hi-Viz Clothing		Respiratory Protection	
Hearing Protection		Eye Protection		Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES

Information/Instruction/Training	Managerial Controls
☐ All operatives to be trained in the risks of working at height and with fragile roofing materials ☐ Operatives to be specifically trained in the selected safe system of work required in each individual case ☐ Only persons with experience of this type work shall be used	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ All work involving fragile roofs shall be clearly identified prior to the start of work

Physical Controls	Procedural Controls
☐ Safe and adequate means of access and egress to be provided to the roof area ☐ Where fragile material is restricted to a small area (ie: roof lights) these areas should be barriered off ☐ No person shall be permitted to walk or traverse over a fragile roof without the use of crawling boards, roof ladders, scaffolding, staging or other protective devices ☐ Consideration shall be given to the use of safety nets suspended below the roof where applicable	☐ All work will be subject to a full permit to work system ☐ No lone working will be permitted

HSE & Other Guidance	Comments
☐ HSG33 Safety in Roof Work ☐ HSE Fragile Roof Safety Alert for Builders ☐ Work at Height Regulations 2005	☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:					Risk Assess. No.:		C04						
Task/Activity:		Ladders			Project No.:								
					Date Prepared:								
HAZARDS					Likelihood			Severity			Risk Score		
Ref.	Key hazards associated with the above task/activity.				P r o b a b l e	O c c a s i o n a l	R e m o t e	C a t a s t r o p h i c	C r i t i c a l	S e r i o u s	M a r g i n a l	N e g l i g i b l e	L i k e l i h o o d x S e v e r i t y
	Score:				3	2	1	5	4	3	2	1	
1	Falls from ladder					X		X					10
2	Ladder slipping					X			X				8
3	Falling objects					X				X			6
4													
5													
6													
7													
8													
9													
10													
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk					

PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	
Other Workers	X	Managers		Young Persons	
Others					

PPE REQUIREMENTS					
Harness & Lanyard	X	Hi-Viz Clothing		Respiratory Protection	
Hearing Protection		Eye Protection		Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All persons to be trained in basic ladder safety, including use, inspection and safety measures whilst working from ladders and at height	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work

Physical Controls	Procedural Controls
☐ Ladders to be securely tied off to prevent slippage and movement ☐ Where a ladder cannot be tied or secured in any other way, it will be securely footed by another operative ☐ If a ladder is being used to access a working platform the ladder shall extend 1.05m above the platform level ☐ The correct angle for a ladder is 75° or at a slope of 1:4 ☐ Overreaching from ladders shall not be permitted ☐ 3 points of contact to be maintained with the ladder at all times	☐ Use of ladders will only ever be used for short duration work (<20 minutes) where no viable alternative is available ☐ Damaged ladders shall be removed from site immediately ☐ The painting of ladders shall not be permitted as this may mask any defects

HSE & Other Guidance	Comments
☐ HSE Guidance Note – Safe Use of Ladders, Stepladders and Trestles ☐ Work at Height Regulations 2005	☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:					Risk Assess. No.:		C07						
Task/Activity:		Mobile Tower Scaffolds			Project No.:								
					Date Prepared:								
HAZARDS					Likelihood			Severity			Risk Score		
Ref.	Key hazards associated with the above task/activity.				Probable	Occasional	Remote	Catastrophic	Critical	Serious	Marginal	Negligible	Likelihood x Severity
	Score:				3	2	1	5	4	3	2	1	
1	Falls from height					X		X					10
2	Falling objects					X			X				8
3	Overturning of the tower						X	X					5
4	Collapse/failure of the tower						X	X					5
5													
6													
7													
8													
9													
10													
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk					

PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	
Other Workers	X	Managers		Young Persons	
Others					

PPE REQUIREMENTS					
Harness & Lanyard	X	Hi-Viz Clothing		Respiratory Protection	
Hearing Protection		Eye Protection		Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ Only competent and experienced scaffolders shall be permitted to erect, modify or dismantle any scaffold tower ☐ Persons inspecting scaffold towers shall also be competent to do so and have the appropriate CSCS/PASMA certification ☐ All users of scaffold towers shall be trained to identify potential defects and inadequacies in the scaffold and the measures to be taken in such instances ☐ All users of scaffold towers shall be made aware of the dangers of making unauthorised modifications, such as the removal of guard rails and scaffold ties ☐ No worker shall be permitted to throw any object of a scaffold tower	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ All scaffolds shall be erected in accordance with BS5973 by competent scaffold, certified scaffolders ☐ Where scaffold towers are to be erected on the public highway, suitable lighting and other protective measures shall be implemented to protect other road users and the scaffold itself

Physical Controls	Procedural Controls
☐ All scaffold towers shall be constructed with double guard rails and fixed toe boards ☐ Scaffold towers shall always be constructed on level, solid foundations ☐ All ladders shall be securely tied off and guarded to prevent accidental falls ☐ Where scaffold towers are fitted with wheels, they should be securely locked before use	☐ No scaffold tower will be put into use will be used until it is complete and has been fully inspected by a competent person ☐ All scaffolds, including mobile towers will be subject to additional inspections every 7 days, these inspections will be recorded in accordance with the Construction (Health, Safety and Welfare) Regulations ☐ Further inspections will be carried out after any adverse weather conditions and following any alterations

HSE & Other Guidance	Comments
☐ HSG 150 Health and Safety in Construction ☐ GS42 Tower Scaffolds ☐ PASMA Guidelines ☐ Work at Height Regulations 2005	☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:					Risk Assess. No.:		C11						
Task/Activity:		Working at Height			Project No.:								
					Date Prepared:								
HAZARDS					Likelihood			Severity			Risk Score		
Ref.	Key hazards associated with the above task/activity.				P r o b a b l e	O c c a s i o n a l	R e m o t e	C a t a s t r o p h i c	C r i t i c a l	S e r i o u s	M a r g i n a l	N e g l i g i b l e	L i k e l i h o o d x S e v e r i t y
	Score:				3	2	1	5	4	3	2	1	
1	Falls from height					X		X					10
2	Falling objects					X			X				8
3													
4													
5													
6													
7													
8													
9													
10													
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk					

PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	
Other Workers	X	Managers		Young Persons	
Others					

PPE REQUIREMENTS					
Harness & Lanyard	X	Hi-Viz Clothing		Respiratory Protection	
Hearing Protection		Eye Protection		Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All operatives to be made aware of the risks and hazards associated with working at height and to be instructed in the contents of the method statement and safe system work ☐ All staff to be trained in the use and inspection of their harnesses and lanyards ☐ All workers to be provided with training in safe manual handling techniques	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work

Physical Controls	Procedural Controls
☐ A safe system of access and egress to the working area shall be provided, for short duration work this may involve the use of a securely footed ladder, though the use of mobile scaffold towers and full access scaffolds shall be given consideration ☐ The working area shall provide protection from and to pedestrians and other road users where applicable ☐ For short duration work the use of roof ladders will be used to provide access to and from the work area ☐ For longer duration work the use of a full scaffold with toe boards, double guard rails, ladder access and other features such as a gin wheel and debris chute shall be used	☐ No materials or debris shall be allowed to be thrown from the roof ☐ A full method statement and safe system of work shall be prepared prior to the commencement of any works ☐ No material shall be allowed to be thrown from the roof area ☐ Warning signs shall be erected stating "men working overhead" ☐ Rubble netting, brick guards and fans shall be considered to provide protection to persons below ☐ Works shall not be permitted to take place during periods of adverse weather such as in strong winds or wet weather

HSE & Other Guidance	Comments
☐ HSG33 Safety and Roof Work ☐ HSG150 Health and Safety in Construction ☐ BS1129 Timber Ladders, Steps, Trestles and Lightweight Stagings ☐ Work at Height Regulations 2005	☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:					Risk Assess. No.:		C19						
Task/Activity:		Use of Safety Harnesses and Lanyards			Project No.:								
					Date Prepared:								
HAZARDS					Likelihood		Severity			Risk Score			
Ref.	Key hazards associated with the above task/activity.				Probable	Occasional	Remote	Catastrophic	Critical	Serious	Marginal	Negligible	Like lihood x Seve rity
					3	2	1	5	4	3	2	1	
				Score:									
1	Incorrect length lanyard					X			X				8
2	Damaged lanyard/harness						X		X				4
3	No secure anchor point					X			X				8
4	Harness incorrectly worn						X			X			3
5	Failure of anchor point						X		X				4
6	Insufficient clearance to absorb fall (lanyard too long)					X			X				8
7													
8													
9													
10													
Risk Assessment Scores:		10+ Very High Risk			5-9 High Risk			1-4 Low Risk					

PERSONS AFFECTED					
Operatives	X	Members of Public		Site Visitors	
Other Workers		Managers		Young Persons	X
Others					

PPE REQUIREMENTS					
Harness & Lanyard	X	Hi-Viz Clothing		Respiratory Protection	
Hearing Protection		Eye Protection		Head Protection	X
Gloves		Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All operatives should be informed of the hazards and instructed on the required safe systems of works and control measures ☐ All operatives to be provided with appropriate PPE and trained in its use and application ☐ Specific training in the use of the harness, lanyard and associated system should be provided to all those using the equipment, this should include: - o How to wear the harness and adjust it to the body - o How to manage the lanyard and other equipment - o How to fall so as to minimise injury - o How to self rescue or assist others after a fall - o How to inspect the equipment and recognise significant defects - o How to assemble the system correctly, including recognition of the importance of safe anchorages	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Ensure appropriate safety equipment and PPE are made available ☐ Ensure that those carrying out the works are fit and healthy ☐ No lone working to be permitted

Physical Controls	Procedural Controls
☐ All equipment to be thoroughly check and inspected prior to use ☐ Damaged equipment is to be taken out of use immediately and reported to the supervisor ☐ Wherever practical, the lanyard is to be clipped on to a secure anchor point at head height to reduce the fall distance	☐ Ensure that consideration is given to how a person can be rescued after an arrested fall ☐ Ensure that all anchor points have been thoroughly tested and inspected and are suitable for use ☐ Ensure that all harnesses and lanyards are properly stored in an warm dry area, where they are unlikely to get damaged

HSE & Other Guidance	Comments
☐ Personal Protective Equipment at Work Regulations ☐ Work at Height Regulations ☐ PPE against falls from height. Lanyards BS EN 354 ☐ PPE against falls from height. Full body harnesses BS EN 361 ☐ PPE against falls from height. Fall arrest systems BS EN 363 ☐ PPE against falls from height. Energy absorbers BS EN 355	☐ The use of safety harnesses and fall arrest systems should always be the last choice for providing protection against falls from height

HSE & Other Guidance	Comments

CONSTRUCTION RISK ASSESSMENTS

Project Title:					Risk Assess. No.:		D01						
Task/Activity:		Exposure to Dusts			Project No.:								
					Date Prepared:								
HAZARDS					Likelihood			Severity			Risk Score		
Ref .	Key hazards associated with the above task/activity.				Probable	Occasional	Remote	Catastrophic	Critical	Serious	Marginal	Negligible	Like liho od x Sev erit y
				Score:	3	2	1	5	4	3	2	1	
1	Inhalation of dust particles				X					X			9
2	Ingestion of dust particles				X					X			9
3	Asphyxia					X				X			6
4	Dermatitis					X					X		4
5													
6													
7													
8													
9													
10													
Risk Assessment Scores:					10+ Very High Risk			5-9 High Risk			1-4 Low Risk		

PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	X
Other Workers	X	Managers	X	Young Persons	X
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing		Respiratory Protection	X
Hearing Protection		Eye Protection	X	Head Protection	
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All operatives should be informed of the hazards and instructed on the required safe systems of works and control measures ☐ All staff to be trained in the use and importance of PPE such as hard hats, eye protection, respirators and gloves ☐ All operatives should be informed of the hazards and instructed on the required safe systems of works and control measures ☐ All staff to be made aware of the hazards and risks associated with the works ☐ Inform operatives of the hazards from the substances they are using and the results of the COSHH Assessment	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Supervisors to ensure PPE is available and used, minimum grade of respirators to be FFP2, unless the COSHH assessment requires a higher level of protection ☐ Ensure that a full COSHH Assessment is carried out for each substance/material used ☐ Where applicable always ensure that the least hazardous substance is selected

Physical Controls	Procedural Controls
☐ Ensure that adequate ventilation is provided ☐ Where necessary provide local exhaust ventilation (LEV) to remove contamination and dust particles from the air ☐ Where LEV is provided, ensure that the equipment is properly maintained and cleaned so as not to reduce its efficiency or effectiveness ☐ Ensure that the use of LEV, extractors and blowers do not simply push the problem away from one area and into another ☐ Adequate hygiene facilities are to be provided including washbasins, soap, nail brushes and towels ☐ Ensure that excessive dust generation is avoided ☐ Clean up all spills and debris ☐ Bags of plaster, cement and other products likely to generate dust should be carefully opened and emptied into mixing buckets, taking care to avoid generating dust clouds ☐ If necessary (and if safe to do so) dampen the floor area before sweeping/cleaning the floor ☐ Where it is not practical to wet and sweep the floor, use an industrial vacuum cleaner to collect the dust ☐ Empty bags of plaster to be placed into a plastic waste bag to prevent further dusts being generated	☐ Regular checks to be made to ensure that the working area is clean and tidy, and free from dust/debris that ☐ Do not permit eating and drinking in the work area where there are potential dust problems ☐ Restrict any unauthorised access to the area ☐ Keep haulage and site roads damp during dry periods to avoid generating dust clouds as vehicles pass over the roads ☐ Arrange for road sweepers to regularly pass and clean the public highway on the approach roads to the site where mud and debris are being deposited on the roads ☐ Provide a wheel wash at the exit from the site to prevent excessive dust, mud and other materials being deposited on the roads by vehicles leaving the site

Physical Controls	Procedural Controls
☐ Sheets of plasterboard should be cut using a sharp Stanley/Utility knife, as opposed to using a saw or other implement	

HSE & Other Guidance	Comments
☐	☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:		D02						
Task/Activity:		Project No.:								
		Date Prepared:								
HAZARDS		Likelihood		Severity						
Ref.	Key hazards associated with the above task/activity.	Probable	Occasional	Remote	Catastrophic	Critical	Serious	Major	Negligible	Like likelihood x Severity
	Score:	3	2	1	5	4	3	2	1	
1	Distracting influence on staff		X					X		4
2	Continual noise below the first action level	X						X		6
3	Loud noises above the first action level	X					X			9
4	Loud noises above the second action level		X			X				8
5										
6										
7										
8										
9										
10										
Risk Assessment Scores:		10+ Very High Risk		5-9 High Risk		1-4 Low Risk				

PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	X
Other Workers	X	Managers	X	Young Persons	X
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing		Respiratory Protection	
Hearing Protection	X	Eye Protection		Head Protection	
Gloves		Boots			

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All operatives should be informed of the hazards and instructed on the required safe systems of works and control measures ☐ All operatives to be provided with appropriate PPE and trained in its use and application ☐ Where the risk of hearing damage has been assessed as being high, all operatives should be trained and informed of the risks and irreversible damage that may be caused by exposure to noise	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Ensure appropriate safety equipment and PPE are made available ☐ Managers to ensure all safeguards are in place and that the appropriate PPE is provided and used

ADDITIONAL CONTROL MEASURES

Information/Instruction/Training	Managerial Controls
☐ Operatives to be informed of all mandatory hearing protection zones and of the need to ensure the appropriate protection is worn at all times ☐ Where to obtain the appropriate PPE/hearing protection and how to use it correctly	☐ Where employees are regularly exposed to high levels of noise, consider the need for appropriate Health Surveillance measures

Physical Controls	Procedural Controls
☐ Mandatory hearing protection signs to be erected in all areas where noise levels are likely to exceed 85dB(A) ☐ Make use of acoustic enclosures for noisy plant and equipment, or erect acoustic screens and barriers to deaden any noise ☐ Site plant as far away from the working area as is reasonably practicable– ie: generators and compressors etc do not need to be in the immediate vicinity of the works	☐ When selecting and procuring plant, tools and other equipment, consideration will be given to procurement of low noise equipment wherever possible ☐ Where individual operatives are exposed to high levels of noise, limit their exposure to the noise by restricting the duration of their exposure – rotate different the people used so that no one spends an excessive amount of time exposed to the noise ☐ Ensure all plant and machinery is properly maintained and serviced to help reduce the noise caused by poorly maintained and worn equipment ☐ Ensure that where applicable, silencers are fitted to plant and machinery

HSE & Other Guidance	Comments
☐ INDG362 Noise at Work ☐ The Control of Noise at Work Regulations	☐ Most plant, power tools and machinery are likely to generate noise in excess of the second action level (85dB(A)), this therefore means that hearing protection must be provided and used whilst using such equipment

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:		D03						
Task/Activity:		Project No.:								
		Date Prepared:								
HAZARDS		Likelihood		Severity						
Ref.	Key hazards associated with the above task/activity.	Probable	Occasional	Remote	Catastrophic	Critical	Serious	Major	Negligible	Risk Score
	Score:	3	2	1	5	4	3	2	1	Like liho od x Sev erit y
1	Sunburn		X				X			6
2	Skin cancer		X			X				8
3	Heat exhaustion			X			X			3
4	Heat stoke			X			X			3
5										
6										
7										
8										
9										
10										
Risk Assessment Scores:		10+ Very High Risk		5-9 High Risk		1-4 Low Risk				

PERSONS AFFECTED					
Operatives	X	Members of Public		Site Visitors	
Other Workers	X	Managers	X	Young Persons	X
Others					

PPE REQUIREMENTS				
Harness & Lanyard		Hi-Viz Clothing		Respiratory Protection
Hearing Protection		Eye Protection		Head Protection
Gloves		Boots		Sun Screen
				X
				X

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All operatives should be informed of the hazards and instructed on the required safe systems of works and control measures ☐ All operatives to be provided with appropriate PPE and trained in its use and application ☐ Provide advice on sun protection during induction training ☐ Inform workers that a tan is not healthy - it is a sign that skin has already been damaged by the sun.	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Ensure appropriate safety equipment and PPE are made available

ADDITIONAL CONTROL MEASURES

Information/Instruction/Training

Managerial Controls

Physical Controls

- ☐ Encourage workers to keep their tops on, clothing forms a barrier to the sun's harmful rays- especially tightly woven fabrics
- ☐ Wear a hat with a brim or flap that covers the back of neck and ears- avoiding sunburn
- ☐ Stay in the shade, whenever possible, especially at lunchtime
- ☐ Use a high factor sunscreen of at least factor SPF 15 on exposed skin
- ☐ Drink plenty of water to avoid dehydration and heat stroke
- ☐ Provide a wholesome supply of cold drinking water that is freely available to all operatives
- ☐ Ensure operatives have an area that they can go to escape the heat of the sun

Procedural Controls

- ☐ Encourage workers to keep covered up during the summer months - especially at lunch time when the sun is at its hottest. They can cover up with a long-sleeved shirt, and a hat with a brim or flap that protects the ears and neck.
- ☐ Encourage workers to use sunscreen of at least SPF (Sun Protection Factor) 15 on any part of the body they can't cover up and to apply it as directed on the product. They might prefer to use a spray or an alcohol-based (non-greasy) sunscreen.
- ☐ Encourage workers to check regularly check their skin for unusual spots or moles which may have changed – see a doctor immediately if anything is seen that has changed in shape, size or colour, or which is itching or bleeding

HSE & Other Guidance

- ☐ INDG147 – Keep Your Top On, Health Risks From Working in the Sun
- ☐ INDG337 – Sun Protection, Advice for Employers of Outdoor Workers

Comments

☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:		D04						
Task/Activity:		Project No.:								
		Date Prepared:								
HAZARDS		Likelihood		Severity						
Ref.	Key hazards associated with the above task/activity.	Probable	Occasional	Remote	Catastrophic	Critical	Serious	Major	Negligible	Like liho od x Sev erit y
	Score:	3	2	1	5	4	3	2	1	
1	Hand arm vibration syndrome from use of power tools, plant and equipment	X					X			9
2	Whole body vibration from operating vehicles, plant and equipment	X					X			9
3										
4										
5										
6										
7										
8										
9										
10										
Risk Assessment Scores:		10+ Very High Risk		5-9 High Risk		1-4 Low Risk				

PERSONS AFFECTED					
Operatives	X	Members of Public		Site Visitors	
Other Workers		Managers		Young Persons	X
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing		Respiratory Protection	
Hearing Protection	X	Eye Protection		Head Protection	
Anti-Vibrati on Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All operatives should be informed of the hazards and instructed on the required safe systems of works and control measures for the tools being used ☐ All operatives to be provided with appropriate PPE and trained in its use and application ☐ Operatives to receive full training in the use, storage, and general care of PPE, tools and other equipment	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Ensure appropriate safety equipment and PPE are made available ☐ Select low vibration and low noise models when procuring plant and equipment

ADDITIONAL CONTROL MEASURES

Information/Instruction/Training	Managerial Controls
☐ Full manual handling training to be provided to all operatives	

Physical Controls	Procedural Controls
☐ Limit duration of exposure to reduce the level of risks from exposure to high noise and vibration levels ☐ Keep hands warm ☐ Only 110v or less tools are to be used ☐ Trailing cables shall be managed to reduce the risk of slips, trips and falls ☐ All tools shall be earthed or double insulated ☐ Temporary and impromptu repairs to power cables shall not be allowed ☐ All tools and cables shall be inspected before use ☐ When not in use, all tools shall be disconnected from its electrical supply ☐ All damaged and defective equipment shall immediately be taken out of use, reported to the supervisor and marked as being defective	☐ A planned preventative maintenance system shall be implemented whereby all equipment shall be regularly inspected, tested and maintained in accordance with manufacturers recommendations ☐ Ensure all tools are properly maintained and lubricated to help reduce the extent of vibration ☐ Ensure correct tool for the job has been selected ☐ Manufacturers vibration monitoring details to be obtained for all tools ☐ Recommended maximum exposure limits/times set by the manufacturer/supplier shall not be exceeded

HSE & Other Guidance	Comments
☐ HSE Guidance Notes – Safe Use of Portable Electrical Equipment ☐ Electricity on Construction Sites ☐ HSE Information Sheet – Maintenance of Portable Electrical Equipment ☐ INDG296 Hand Arm Vibration – Advice for Employees ☐ Control of Vibration at Work Regulations ☐ INDG175 – Control the Risk From Hand-Arm Vibration, Advice for Employers	☐ Due to the nature of our work, the use of hand held power tools is not a regular activity and it is generally only for short durations

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:	D07
Task/Activity:	Slips, Trips and Falls	Project No.:	
		Date Prepared:	

HAZARDS		Likelihood			Severity				Risk Score	
Ref.	Key hazards associated with the above task/activity.	P r o b a b l e	O c c a s i o n a l	R e m o t e	C a t a s t r o p h i c	C r i t i c a l	S e r i o u s	M a r g i n a l	N e g l i g i b l e	Like li h o o d x S e v e r i t y
	Score:	3	2	1	5	4	3	2	1	
1	Uneven surfaces		X					X		4
2	Poor lighting along walkways		X					X		4
3	Unsuitable, poorly maintained surfaces			X			X			3
4	Trailing leads/cables		X					X		4
5	Spills		X				X			6
6	Poorly designed stairs/steps			X			X			3
7	Pedestrian routes clear of obstructions		X					X		4
8	Waste materials and debris scattered around the site	X					X			9
9										
10										

Risk Assessment Scores:	10+ Very High Risk	5-9 High Risk	1-4 Low Risk
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PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	X
Other Workers	X	Managers	X	Young Persons	X
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing		Respiratory Protection	
Hearing Protection		Eye Protection		Head Protection	
Gloves		Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All operatives should be informed of the hazards and instructed on the required safe systems of works and control measures ☐ All operatives are to be instructed to walk calmly and not to run ☐ All operatives are to stick to the identified pedestrian walkways at all times ☐ The practice of 'A Tidy Site is a Safe Site' is to be promoted at all times	☐ Ensure the strict enforcement of waste collection and disposal around the site ☐ Office manager to carry out regular inspections to ensure adequate standards are maintained ☐ Supervisors given the responsibility of maintaining high housekeeping standards in their areas

ADDITIONAL CONTROL MEASURES

Information/Instruction/Training	Managerial Controls

Physical Controls	Procedural Controls
☐ Good housekeeping standards to be maintained at all times ☐ No trailing cables to be left across walkways ☐ All waste, debris, rubbish and off-cuts etc are to be cleared away as they are produced and disposed of within the appropriate waste containers ☐ Floors, staircases and doors cleaned on a regular basis by the cleaners ☐ Repairs and maintenance of doors, floors and walkways to be carried out when necessary ☐ Stairs and corridors to be well lit and handrail provided ☐ All holes, voids and edges are to be provided with edge protection in the form of rigid barriers or alternatively steel plates may be secured over open holes etc	☐ Carry out regular site safety inspections to ensure that the site is clean, tidy and free of waste/debris ☐ Ensure that sufficient waste skips and receptacles are provided

HSE & Other Guidance	Comments
☐ INDG225 Preventing Slips and Trips at Work ☐ HSG 155 Slips and Trips: Guidance for employers on identifying hazards and controlling risks	☐

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:		D08							
Task/Activity:		Working with Hazardous Substances		Project No.:							
		Date Prepared:									
HAZARDS			Likelihood		Severity		Risk Score				
Ref.	Key hazards associated with the above task/activity.		Probable	Occasional	Remote	Catastrophic	Critical	Serious	Major	Negligible	Like liho od x Sev erit y
		Score:	3	2	1	5	4	3	2	1	
1	Injury through inhalation			X			X				8
2	Injury through ingestion			X			X				8
3	Injury through injection				X		X				4
4	Injury through absorption			X			X				8
5	Explosion				X		X				4
6	Injury through skin contact			X				X			6
7											
8											
9											
10											
Risk Assessment Scores:			10+ Very High Risk			5-9 High Risk			1-4 Low Risk		

PERSONS AFFECTED					
Operatives	X	Members of Public		Site Visitors	
Other Workers	X	Managers		Young Persons	X
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing		Respiratory Protection	
Hearing Protection		Eye Protection		Head Protection	
Gloves		Boots			

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All operatives should be informed of the hazards and instructed on the required safe systems of works and control measures ☐ All operatives to be provided with appropriate PPE and trained in its use and application ☐ All staff to be informed of the potential hazards to their health from contact with hazardous substances	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Ensure appropriate safety equipment and PPE are made available ☐ Managers to ensure all safeguards are in place and that the appropriate PPE is provided and used

ADDITIONAL CONTROL MEASURES

Information/Instruction/Training

- ☐ All staff who are considered to be at risk should be provided with instruction on the precautions to be taken when using and handling such substances
- ☐ All staff who are considered to be at risk should be provided with instruction on how to safely clean up and dispose of any potentially hazardous substances
- ☐ All staff to be informed that a specific COSHH assessment must be completed for every potentially hazardous substance used in the workplace

Managerial Controls

Physical Controls

- ☐ Substitute any substance with an equally effective but less hazardous material wherever possible
- ☐ A written COSHH risk assessment must be completed for any hazardous substances retained or used in the workplace
- ☐ Staff must be made aware of, and adhere to the control measures on the specific COSHH/risk assessments
- ☐ The COSHH/risk assessments need to be reviewed on a regular basis
- ☐ Contractors must not be allowed to bring chemicals onto the premises unless they have undertaken an assessment of risk and have adequate control measures in place to reduce those risks
- ☐ Suitable PPE must be provided and worn where the COSHH assessment determines this to be necessary
- ☐ All substances must be adequately and securely stored

Procedural Controls

- ☐ All hazardous substances must be identified.
- ☐ Any substance that is no longer in use must be disposed of safely, and in accordance with information on the Material Safety Data Sheet (MSDS).
- ☐ A MSDS must be obtained for every hazardous material used in the workplace.
- ☐ The need to use hazardous substances must be eliminated wherever possible.

HSE & Other Guidance

- ☐ INDG136 COSHH: A Brief Guide to the Regulations
- ☐ COSHH essentials: Easy steps to control chemicals. Control of Substances Hazardous to Health Regulations HSG193
- ☐ Control of substances hazardous to health. The Control of Substances Hazardous to Health Regulations (as amended). Approved Code of Practice and guidance L5

Comments

- ☐ This assessment is not substance specific and a specific COSHH Assessment must be carried out for all hazardous substances used in the workplace.

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:		D09						
Task/Activity:		Project No.:								
		Date Prepared:								
HAZARDS		Likelihood		Severity						
Ref.	Key hazards associated with the above task/activity.	Probable	Occasional	Remote	Catastrophic	Critical	Serious	Major	Negligible	Like likelihood x Severity
	Score:	3	2	1	5	4	3	2	1	
1	Inhalation of vapours and fumes		X				X			6
2	Contact (burns) with and absorption through your skin/eyes		X				X			6
3	Ingestion of liquid solvents			X		X				4
4	Fire			X		X				4
5										
6										
7										
8										
9										
10										
Risk Assessment Scores:		10+ Very High Risk		5-9 High Risk		1-4 Low Risk				

PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	X
Other Workers	X	Managers		Young Persons	X
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing		Respiratory Protection	X
Hearing Protection		Eye Protection	X	Head Protection	
Gloves	X	Boots			

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All operatives should be informed of the hazards and instructed on the required safe systems of works and control measures ☐ All operatives to be provided with appropriate PPE and trained in its use and application ☐ All workers to be informed of the hazards associated with the particular substances ☐ Smoking, eating and drinking is to be prohibited when working with solvents	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Ensure appropriate safety equipment and PPE are made available ☐ Health surveillance and biological monitoring techniques to assess the health of individuals will be required if exposure is considered to be significant

ADDITIONAL CONTROL MEASURES

Information/Instruction/Training

Managerial Controls

Physical Controls

- ☐ Adequate hygiene facilities are to be provided including washbasins, soap and towels
- ☐ Ensure that adequate ventilation is provided throughout the working area, forced ventilation and extraction systems should be used where necessary
- ☐ Always place the lid on to jars, tins and tubes that contain solvent based products, as this will help limit the amount of fumes/vapours in the air
- ☐ Where applicable always ensure that the appropriate respiratory protection is worn and used
- ☐ Never use a naked flame or other heat sources in the vicinity of solvents as highly toxic fumes can be generated
- ☐ Do not leave solvent saturated rags lying around, these should be disposed of within a suitable container as they pose both a fire and health risk
- ☐ Never use solvents in a confined space without added precautions including a permit system, gas/oxygen monitoring equipment, emergency rescue arrangements, confined space entry training and appropriate ventilation measures and respiratory protection equipment

Procedural Controls

- ☐ Where practical substitute the product for a non-solvent based products
- ☐ Rotate workers to limit their potential exposure to the solvent
- ☐ Ensure that the PPE selected for the job is suitable and sufficient

HSE & Other Guidance

- ☐ INDG273 – Working Safely with Solvents

Comments

Solvents are found in a wide range of substances used in the construction industry, including:

- ☐ Cleaning and degreasing materials
- ☐ Paint removers
- ☐ Paints, lacquers and varnishes
- ☐ Adhesives
- ☐ Inks and ink removers
- ☐ Pesticides

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:	D11		
Task/Activity:	Manual handling of Materials and equipment.	Project No.:			
		Date Prepared:			

HAZARDS		Likelihood			Severity				Risk Score	
Ref.	Key hazards associated with the above task/activity.	P r o b a b l e	O c c a s i o n a l	R e m o t e	C a t a s t r o p h i c	C r i t i c a l	S e r i o u s	M a r g i n a l	N e g l i g i b l e	Like li h o o d x S e v e r i t y
	Score:	3	2	1	5	4	3	2	1	
1	Excessive Weight of the object to be lifted		x				x			6
2	Excessive size of the object to be lifted		x				x			6
3	Awquard shape, Un-stable, potential for movement whilst being lifted/Transported		x					x		4
4	Lack of space in work area		x				x			6
5	Individual carrying out task may not be suitable Person in poor health, underlying health issues, pregnant person			x		x				4
6	Excessive distance the load is to be carried		x				x			6
7	Uneven surfaces, Stairs, kerbs, across footpaths	x					x			9
8	Weather conditions, slippery, cold, hot etc.		x				x			6
9	Requirement for additional lifting apparatus		x				x			6
10	Is suitable PPE available and being worn			x			x			4
11	Blocked traffic routes		x				x			6
12	Possible collision with others, including members of the public		x			x				8
13	Poor lighting conditions		x				x			6

Risk Assessment Scores:	10+ Very High Risk	5-9 High Risk	1-4 Low Risk
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PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	
Other Workers	X	Managers		Young Persons	X
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing	X	Respiratory Protection	
Hearing Protection		Eye Protection		Head Protection	X
Gloves	X	Boots	X	Task Specific	X

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
☐ All operatives should be informed of the hazards of manual handling and instructed on the required safe systems of works and control measures required	☐ Avoid the need for manual handling where possible.

ADDITIONAL CONTROL MEASURES

Information/Instruction/Training	Managerial Controls
☐ All persons to be suitably trained in the importance of manual handling, and the use of PPE such as hard hats, High visibility clothing and gloves ☐ All young person's to be made aware of the hazards and risks associated with the works ☐ All persons are to receive a site safety induction and be advised of the site safety rules and site safety arrangements ☐ All persons carrying out manual handling should be fit and active and should be requested to advise of any poor health conditions. ☐ Advise persons to Carry out visual inspection of the item to be lifted ☐ Advise persons to ask for help and advice if they are un-sure. ☐ All persons should be advised to inform the site management immediately of any concerns or failings within the safe system of work. ☐ Split or break down loads where possible to reduce weight. ☐ Site agent to carry out routine tool box talks on manual handling. ☐ Young person to work under the direct supervision of a competent person at all times ☐ Keep the workplace clean and tidy to help avoid slips, trips and falls	☐ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work ☐ Carry out site specific risk assessment where required and record the findings ☐ Ensure that correct type lifting equipment is available when required, including machinery, fork lift, genie, pallet truck, trolleys, barrows etc. ☐ Ensure that all manual handling work is supervised by the site manager or his deputy. ☐ Ensure that suitable lighting is available on site. ☐ Ensure appropriate safety equipment and PPE are made available and used correctly. ☐ Ensure that operators carrying out the works are experienced and capable of carrying out the works. ☐ Ensure that PPE is provided and that it is suitable and fits the person ☐ Ensure that the area is clear and barriers are in place to prevent un-authorised access. ☐ Ensure that the delivery route is clear. ☐ Ensure that a banks man co-ordinates all lifting operations.

Physical Controls	Procedural Controls
☐ No person shall be permitted to: ☐ Work unsupervised whilst carrying out manual handling operations ☐ Use or operate any tools, plant, machinery or other equipment without suitable training ☐ Lift any heavy/bulky unstable or excessive loads without assessing the risk. ☐ Store any items un safely. ☐ Stack product in a condition that may cause it to fall or collapse. ☐ Carry out works that they are un familiar with or physically un-suitable for.	☐ Clean drinking water and washing facilities to be made available ☐ Ensure that regular rest breaks are provided ☐ Ensure that all work is closely supervised ☐ Any unusual or hazardous activities should be risk assessed.

HSE & Other Guidance	Comments
☐ Manual handling operations regulations 1992	☐