



EVANS CONSTRUCTION

Civil Engineering Contractors

Fairfield Pant Oswestry Shropshire SY10 9QQ

www.evans-construction-oswestry.co.uk



METHOD STATEMENT No:

Western Gateway Project

1 of 1

GRADE HAZARD ON COMPLETION OF METHOD STATEMENT	RISK	Evans Construction RA
Dust, Noise, Odours, Fumes, Vibration	1	ENV 08
Traffic Congestion/Obstruction	1	ENV 09
Animal and Plant Life	1	ENV 17
Buried Services	2	GEN 01
Excavations	2	OPR 08
Road and Streetworks	2	OPR 12
Use of Vibration Equipment	2	PLA 01
Plant and Machinery	2	PLA 07

METHOD OF WORK

Description of works :- To form an access road from existing highway into a new development site
Attend site meeting
Agree location and setting out of new access
Set up traffic management as per attached detail Cones, signs, barriers etc to be maintained daily and kept clean and replaced as necessary if damaged
Site Access to be from A525 direction Delivery times to be between 7.30am and 5pm to tie in with site operating times
Carry out CAT scan and trial holes to locate existing services
Carry out excavation to expose services by use of trained operatives and well maintained plant and machinery

	CPCS accredited operatives and certified plant and banksman to be present at all times
	Form reinforced concrete slab as per instructions to protect services
	Monitor traffic and pedestrians at all times
	Ensure adequate fencing and barriers are in place to segregate working area from pedestrians/traffic etc
	Maintain secure site to prevent access/etc especially out of working hours
	Ensure no mud and construction debris are carried out onto public highway and footways by vehicles exiting site. Road to be kept clean at all times by mobile sweeper
	Segregate plant and pedestrian movement on site, implement one way system where possible
	Excavate and lay stone and kerbing
	Lay tarmac surfacing
	Ensure welfare facilities, PPE etc are available on site All welfare and storage containers to be located at an agreed position away from the highway in a securely fenced compound, with warning signs and information displayed Materials and plant to be securely stored in compound
	Strip soil and construct stone temporary road, compact and leave in a clean and tidy condition for development site access
	Supply and erect fencing
	Carry out all works in accordance with Health & Safety Policy and Environmental Policy/Surveys etc
	Leave site in a clean and tidy condition on completion to hand over

		Incredible	Improbable	Occasional	Probable	Frequent
		1	2	3	4	5
First Aid Injury	1					
Lost Time Injury	2					
Major Injury	3					
Single Fatality	4					
Multiple Fatality	5					

Safety, Health & Environmental Risk Assessment				Prepared By DAVE EVANS Date	Dust, Noise, Odours, Fumes, Vibration Sheet ENV 08
Hazard	N/A	Yes	Control Measures	Control Measures	
Prosecutions/warnings.		Yes	1 to 25	1) Plan works carefully to avoid impacts at source.	
Air Pollution		Yes	1 to 25	2) Be aware of site conditions - wind etc. and work during quiet times.	
Complaints		Yes	1 to 25	3) Plan haul routes and delivery times.	
Dust Pollution		Yes	2,3,4,6,8,12	4) Utilise wheel washes.	
Ecological damage		Yes	1,19	5) Sweep/clean local roads.	
Local Disturbance		Yes	3,8,9,23	6) Damp down as required.	
Crop damage		Yes	3,12	7) Maintain and service plant and equipment	
Structural damage		Yes	1,21	8) Control deliveries to suit conditions.	
Bad Publicity		Yes	19,20,21	9) Switch off engines when not in use.	
Adverse Health effects on Employees and the Public		Yes	1 to 25	10) Keep refuelling areas away from public areas.	
Loss of Reputation		Yes	1 to 25	11) Use mufflers on plant.	
Damage to nearby properties from vibration		Yes	1,25	12) Provided windbreaks for dusty stockpiled materials.	
				13) Re-vegetate or seal stockpiles on long-term works.	
				14) Minimise storage times/utilise sheeting	
				15) Do not allow fires.	
				16) Store chemicals as manufacturers recommendations.	
				17) Use screening to provide noise alleviation.	
				18) Regular Site Inspections.	
				19) Environmental Management Plan.	
				20) Toolbox Talks/Briefings.	
				21) Trained/Competent Persons.	
				22) Implement Site Speed Limits	
				23) Keep noisy Plant away from Site Boundaries.	
				24) Position Storage Facilities and Chemical Toilets away from Site Boundaries and downwind.	
				25) Consider alternative methods/equipment to relieve vibration ie hydraulic piles, rollers.	
References					
Assessment of Risk with Control Measures in place					
Those At Risk					
Site Personnel					
The Public					
Visitors					
Other Contractors					
N/A = Not Applicable				Assessed As Low As Reasonably Practicable (ALARP)	Please Tick
				Severity of Injury	Assessed Level of Risk
				1 2 3 4 5	Low Medium High
				X 1 2 3 4 5	1 2 3 4 5 6 8 9 10 12 15 16 20 25

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Safety, Health & Environmental Risk Assessment				Prepared By D EVANS	Buried Services Sheet GEN 01												
Hazard	N/A	Yes	Control Measures	Date	Control Measures												
Electrocution		Yes	1 to 10		1) Consult Utility suppliers for services in the vicinity and obtain drawings where possible. Invite them to locate their services and enquire if it can be switched off temporarily												
Fire		Yes	1 to 10														
Explosion		Yes	1 to 10		2) Use cable location devices ie Cat and Genny to determine presence and location by competent person												
Escape of fluids under pressure		Yes	1 to 10		3) Hand dig trial holes to confirm location, depth and route. Always proceed with care.												
					4) Identify at ground level the services found.												
					5) Prevent smoking in the vicinity of the work.												
					6) Obtain emergency call out numbers of the Utility supplier.												
					7) Do not assume a minimum depth. Services are found in shallow as well as deep depths due to poor original workmanship or as a result of subsequent work.												
					8) Cordon off the area of work and erect 'Men at Work' or other appropriate signs.												
					9) Brief staff on location of services at site induction.												
					10) 0.5 metre clearance to be maintained when using breakers or other plant.												
					Notes:												
					In the event of an emergency ie release of gas, water or cable strike:												
					Vacate the Area.												
					Warn others.												
					Inform the Site Agent.												
					Prevent other persons approaching the area.												
					The services supplier to be informed.												
					References												
Assessment of Risk with Control Measures in place																	
Those At Risk																	
Site Personnel		y			<table border="1"> <tr> <td>Please Circle</td> <td>Severity of Injury</td> <td>Assessed Level of Risk</td> </tr> <tr> <td>Likelihood of Occurrence</td> <td></td> <td></td> </tr> <tr> <td>1 2 3 4 5</td> <td>1 2 3 4 5</td> <td>Low Medium High</td> </tr> <tr> <td></td> <td></td> <td>8 9 10 12 15 16 20 25</td> </tr> </table>	Please Circle	Severity of Injury	Assessed Level of Risk	Likelihood of Occurrence			1 2 3 4 5	1 2 3 4 5	Low Medium High			8 9 10 12 15 16 20 25
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The Public		y															
Visitors		y															
Other Contractors		y															
N/A = Not Applicable				Assessed As Low As Reasonably Practicable (ALARP) ☐ Please Tick													

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Safety, Health & Environmental Risk Assessment				Prepared By D Evans	Road and Streetworks
				Date	Sheet OPR 12
Hazard	N/A	Yes	Control Measures	Control Measures	
Slips/Trips and Falls		Yes	2,19	1) Ensure that a notice of works has been lodged with the highway authority and they are informed when work is complete.	
Buried Services		Yes	14,15	2) Ensure that the supervisor and operatives are qualified in Road and Streetworks.	
Dust		Yes	16	3) Ensure that Hi Viz clothing is available and used.	
Noise		Yes	17	4) Prepare a plan to show the signage to be used and the locations that they are to be sited.	
Traffic		Yes	1 to 7	5) Ensure that all signage, barriers, cones and lighting are and remain in place and kept clean. Instigate daily checks.	
Private Vehicles parked		Yes	12,18	6) Consult the 'Chapter 8' booklet for required traffic signs and barriers etc.	
Lighting		Yes	6	7) Employ a Traffic Management specialist.	
Plant Movements		Yes	5,11	8) Obtain advice from the Local Authority Highways Dept. or Traffic Management Dept.	
Traffic Management		Yes	1,5,7	9) Ensure that pedestrians and wheelchair users are catered for where appropriate.	
				10) Ensure that both temporary and permanent reinstatement is carried out to a safe standard in accordance with the contract requirements.	
				11) Banksmen to be nominated.	
				12) Obtain road closure if possible.	
				13) Devise and arrange diversions where possible.	
				14) Consult Utilities for services.	
				15) Carry out Risk Assessment - Buried Services.	
				16) Damp down with water.	
				17) Carry out Risk Assessment - Noise.	
				18) Erect 'No Parking' signs where possible in the vicinity of the works.	
				19) Keep the site clean and tidy at all times.	
				Notes:	
				Continual monitoring will be carried out by the Site Agent/Foreman	
				References	
Those At Risk				Assessment of Risk with Control Measures in place	
Site Personnel	y			Please Circle Likelihood of Occurrence 1 2 3 4 5	Severity of Injury 1 2 3 4 5
The Public	y				
Visitors	y				
Other Contractors	y			Assessed As Low As Reasonably Practicable (ALARP) Please Tick	
				N/A = Not Applicable	

Assessed Level of Risk	
Low	High
1 2 3 4 5 6	8 9 10 12 15 16 20 25

Safety, Health & Environmental Risk Assessment			Date	Use of Vibration Equipment Sheet PLA 01
Hazard	N/A	Yes	Control Measures	Notes:
Damage to Nerves		Yes	1) Use alternative tools or processes wherever possible to eliminate the use of hand held tools.	GUIDANCE The HSE have set an exposure action value of 2.5ms ² over an 8 hour work day (A8) above which a management action programme should be introduced and Risk Assessments carried out.
Damage to Muscles		Yes	2) Select tools with the lowest vibration output by reference to the manufacturers or suppliers data (in metres per second squared ie m/s ²).	
Noise		Yes	3) Devise alternative work patterns and breaks for individuals using equipment to reduce exposure periods.	
Flying Debris		Yes	4) Ensure hands are kept warm. Gloves should be worn and fingers regularly exercised or massaged. Use a light grip on the equipment to lessen vibration.	The following table gives guidance on vibration output compared to actual use of the equipment to maintain vibration exposure at or below this limit. Identify the vibration output of equipment to be used and cross reference. The table below to identify max work times (trigger time) on that equipment.
Back injury/pain operating ride on Mobile Plant due to whole body vibration		Yes	5) Warm weatherproof clothing should be worn in cold wet areas.	
			6) Smoking should be discouraged as this reduces blood circulation.	
			7) ENSURE that equipment is maintained and lubricated.	Vibration output m/s ²
			8) Ear defenders must be worn at sound levels above 80 dBA or above.	0-5
				6
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				Exposure Action Level
				With reference to the above table, if action levels are likely to be exceeded then review controls 1, 2 and 3.
			References	
Those At Risk				
Site Personnel		y		
The Public	n/a			
Visitors		y		
Other Contractors+13:36+36		y		

Assessment of Risk with Control Measures in place			
Exposure Action Level	Severity of Injury	Assessed Level of Risk	Assessed As Low As Reasonably Practicable (ALARP)
1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	

N/A = Not Applicable

Assessed As Low As Reasonably Practicable (ALARP)

Please Tick

Safety, Health & Environmental Risk Assessment				Prepared By DWE	Plant and Machinery Sheet PLA 07
Hazard	N/A	Yes	Control Measures	Date	Control Measures
Moving Plant		Yes	3,5,6		1) Use only Certificated operators.
Overtaking		Yes	2		2) Assess operators ability and competence in relation to work being undertaken
Unstable Ground		Yes	2,4		3) Set up traffic routes and one way system on site where practicable.
Sloping Ground		Yes	2,8		4) Use Stop blocks at edges of excavations.
Highway Works	N/A		10		5) Segregate plant from pedestrians and other works where practicable.
Falling into Excavations		Yes	5,8		6) Use trained banksman for vehicle movements.
Trap Hazard		Yes	6,7,13		7) Audible warning to be used on all reversing vehicles
Noise		Yes	12		8) Assessment to be made on stability and gradient of ground in work area to enable correct choice of plant, machinery and operator to be used.
Overhead services		Yes	11		9) Carry out Risk Assessment - Buried Services where applicable
Underground Services		Yes	9		10) Carry out Risk Assessment - Road/Street Works where applicable
					11) Carry out Risk Assessment - Live Overhead Services where applicable
					12) Carry out Risk Assessment - Noise where applicable
					13) High Viz clothing to be worn
					14) A minimum of .6 metre clearance should be maintained between plant movement and obstructions.
				Notes:	
					Traffic Management is important to prevent accidents.
					The absence of potholes blind corners can reduce these risks.
					Selection of the correct plant which should include anti-roll protection and seat restraint also improves safety.
					Inspections of high-risk plant should be recorded in the Plant Inspector Book C08.6 on a weekly basis in addition to daily checks by the operator.
				References	
				Assessment of Risk with Control Measures in place	
Those At Risk				Phase Circle Likelihood of Occurrence	Severity of Injury
Site Personnel	y			1 2 3 4 5	1 2 3 4 5
The Public	y			1 2 3 4 5	1 2 3 4 5
Visitors	y			1 2 3 4 5	1 2 3 4 5
Other Contractors	y			1 2 3 4 5	1 2 3 4 5
				Assessed As Low As Reasonably Practicable (ALARP)	
				Please Tick	
				N/A = Not Applicable	



