

Task/Operation:	Construction Work			Reviews			
Group(s) affected:	Staff, Volunteers, Members of the public			Next Review Required	Date actually reviewed	Changes Required? (Yes/No)	Assessor Signature
Person(s) undertaking assessment:	Alan Cameron	Date:	24.05.2004	24.05.2005	20.10.05	No	RTT
Employee(s) consulted:	Nigel Tomkinson			<b>20.10.2006</b>			
Union Safety Rep(s) consulted:	Alan Healey						
KEY	S = STAFF						

Hazard	Resultant effect(s)	Before control			State control measures and person responsible to action each one	After control		
		L	S	R		L	S	R
Excavations – underground cables	Electrocution; Explosion Burns	2	3	6	Consult and obtain (print) site service plans. Use cat scan – Cat scan only to be used by qualified/competent staff. If the scan gives a reading, mark line of underground services on ground. If deemed necessary, relocate excavation away from utilities. Keep clear of the line of the cable as indicated by the scan, take great caution. Excavate using hand tools only. If in doubt or any concerns, cease work immediately and seek advice from line manager (S). If cable is visible within the excavation stop	1	3	3

					work immediately (S). No power tools to be used within 0.5m of cables.			
Works near over head cables.	Electrocution, explosion, burns.	2	3	6	Any works on/near utilities must comply with GS6 Awareness of Danger of Overhead Electric Cables (S)	1	3	3
Laying aggregates, shovelling, raking, lifting.	Back and limb injuries, strains, eye infections, dust, allergic reactions.	2	2	4	Manual Handling Assessment required. Manual handling training. PPE – as appropriate. Keep a safe/stated distance from plant or vehicle.	1	2	2
Unloading aggregates from dumper or trailer.	Crush injury, dust.	2	3	6	Provide clear instructions for driver. If taking aggregate off the trailer/dumper with a shovel, do so from the side of the trailer/dumper, otherwise stand well clear of plant or vehicle. Do not attempt to move excess loads. Use appropriate PPE. Observe maximum load limit for dumper.	1	3	3
Handling cement	Burns, rashes, irritation to skin; eyes.  Poisoning.	2	2	4	Wear appropriate PPE – gloves and goggles, and face mask if necessary (S) All works to comply to COSHH regulations (S) All works must comply with GCP 10 (COSHH) (S)	1	2	2

Hazard	Resultant effect(s)	Before control			State control measures and person responsible to action each one	After control		
		L	S	R		L	S	R
Handling treated timber, and rough timber.	Splinters, infection, poisoning.	2	2	4	Wear appropriate PPE. Take hand wash and eyewash as well as standard First Aid kit. Any allergic reaction must be reported to Manager.	1	2	2
Lifting, twisting when moving objects which are heavy, bulky or awkward eg – posts, rails, signs, edging boards, bags of cement, aggregate.	Lifting injuries; strains, sprains, bruising; fractures, crush injury, back injury.	2	2	4	Carry out a Manual Handling assessment. Refer to CSGRA on Manual Handling and follow relevant controls as necessary.	1	2	2
Uneven ground, wet slippery ground, debris covered ground. Slopes.	Falls, slips, fractures. Strains and sprains.	2	2	4	Use correct/suitable footwear (S). Take extra care on steep slopes and beside water. Refer to CSGRA002 (Working near Water). Reassess conditions regularly. Identifying/move trip hazards before starting work. Keep site tidy.	1	2	2

Hazard	Resultant effect(s)	Before control			State control measures and person responsible to action each one	After control		
		L	S	R		L	S	R
Litter on worksite.	Trips, slips, fractures, infections, disease.	2	3	6	Clear work site prior to commencing work (S) Refer to CSGRA 020 (Litter and dog waste).	1	3	3
Operating plant eg digger, dumper, ride on roller.	Loss of control, overturning, collision with Members of the public and staff.  Noise vibration.	2	3	6	Training and certification for drivers. Wear appropriate PPE. CITB qualified if working off a DCC countryside site. Stop using plant if conditions make handling difficult e.g. mud on a slope. Refer to operating manual for each item of plant.	1	3	3
Fuel.	Explosion, poisoning, burns.	2	2	4	Fuel storage clearly identified and in correct marked containers. All works to comply with COSHH regulations. Follow correct procedure while refuelling. Use appropriate PPE, including eye protection if necessary.	1	2	2

Hazard	Resultant effect(s)	Before control			State control measures and person responsible to action each one	After control		
		L	S	R		L	S	R
<p>Working on or near public access area or public path/highway.</p> <p>Plant movements.</p> <p>Site left unguarded.</p> <p>Dust/grit blown from site to public area.</p> <p>Tools lying on ground.</p>	Collisions, falls, fractures involving members of the public.	2	3	6	<p>Clearly mark area of work with warning notices, hazard tape etc.</p> <p>All staff to be vigilant and aware of members of the public.</p> <p>When plant is reversing, use a banks person if necessary.</p> <p>Do not leave tools lying where public can stumble over them, keep in safe area, and in vehicle if necessary.</p> <p>Stop work if dust contamination is significant, damp down is possible.</p> <p>Be careful of dogs which approach work site, ask members of the public to remove.</p> <p>Consider providing a diversion path for members of the public.</p> <p>Staff undertaking work on highways must have undergone/be competent in Chapter 8 of Traffic Signs Manual 1991.</p> <p>High visibility clothing worn while working on/near highway.</p>	1	3	3

Hazard	Resultant effect(s)	Before control			State control measures and person responsible to action each one	After control		
		L	S	R		L	S	R
Removing barbed wire from old fences.	Puncture wounds, tetanus, infection.	2	3	6	Training (S) Up to date tetanus immunisation (S) Correct use of cutters and gloves (S)	1	3	3
Removing old/rusty nails from fence/posts.		2	2	4	Cut and remove wire from area of work (S) Correct use of appropriate tools eg swan neck (S) Tetanus up to date (S)	1	2	2
Use of Drive-All for fencing.	Strains, sprains, blows and crush injuries.  Lifting injury to back and arms.	2	2	4	Training and experience (S) Drive-Alls must be used by two people working together (S) Wear appropriate PPE (S) Where possible work on even/firm ground (S)	1	2	2
Straining and tensioning wire fence.	Recoil causing cuts and lacerations.	2	3	6	Trained and experienced operators (S) Correct use of tools (eg monkey strainers) (S) Appropriate PPE – gloves and goggles (S)	1	3	3

Hazard	Resultant effect(s)	Before control			State control measures and person responsible to action each one	After control		
		L	S	R		L	S	R
Use of tractor mounted post-hole borer and rammer.	Fractures, abrasions, crush injuries.	2	2	4	Other staff to keep clear distance as dictated by supervisor (S) Operators must be trained and experienced in using the equipment (S) Area Cat scanned, cables identified. (see Excavation works / Consult Site Service Plans) (S) Driver and work mates work in close co-operation. Appropriate PPE (S)	1	3	3
Holding fence post steady while using above.	Fractures to fingers.	2	2	4	Driver and work mates work in close co-operation (S) Appropriate PPE (S)	1	2	2
Dust on top of post.	Eye injury/infection.	2	2	4	Driver and work mates work in close co-operation (S) Appropriate PPE (S)	1	2	2
Fixing rammer to tractor mount	Lifting injuries.	2	2	4	Driver and work mates work in close co-operation (S) Appropriate PPE (S)  <b>ALL ABOVE</b> to be carried out by fully trained competent staff.	1	2	2

Use of hand tools, wet conditions causing poor grip tiredness and repetition causing lack of control of tools.	Cuts, bruises, fractures.	2	2	4	Refer to CSGRA010 (Use of hand tools) and follow relevant controls (S)	1	2	2
<b>Natural hazards –</b> Animals Vegetation Weils disease BGA Strong sun Bad weather	Bites, stings, toxicara infection, poisoning, chilling, hypothermia, sunstroke.	2	3	6	Refer to CSGRA006 (Natural Hazards) and follow controls as appropriate (S) Immunisation (S)  OTHER:  <b>ALL works must have an EAP</b> (Emergency action plan) (S)  <b>All works must comply with :</b> RIDDOR Regulations 1995; Construction (health and Safety Welfare) regulations 1996; GCP 15 Construction (Design and Management)/CDM regulations 1994; The Provisions and Use of Work Equipment Regulations 1998 and The Lifting Operations and Lifting Equipment Regulations 1998 (S)	2	1	2

This Assessment is not exhaustive and Management must ensure that work not covered by this Risk Assessment should only be undertaken after a suitable Risk Assessment has been made. Some activities should only be carried out in conjunction with a written safe system of work. The risk ratings in this assessment are established on the basis that the control measures are in place.