RISK ASSESSMENT	Ref: Bridge	Caldwell Construction Ltd Caldwell House, Brick Kiln Lane, Etruria, Stoke on Trent Staffordshire ST4 7BS T: 01782 265532

Installation of Bridge over UU Trunk Mains

Client:	Lovell	Date:	Jul 2021
Contract:	Walley, Clitheroe	Review Date:	Jul 2022
Location:	Clitheroe Housing Development	Assessor:	Signature:
Job No:	30626	Lee Rigby	L. Rigby

INITIAL RISK RATING										PEOPLE AT RISK			
LIKELIHOOD	Very Frequent	☐	Frequent	☒	Occasional	☐	Rare	☐	Very Rare	☐	INVOLVED IN ACTIVITY	CLOSE BY TO ACTVIITY	EVERYONE ON SITE	MEMBERS OF THE PUBLIC
SEVERITY	Fatal	☒	Major	☐	Moderate	☐	Minor	☐	Insignificant	☐				
RISK RATING:	**HGH RISK**	☒			**MEDIUM RISK**	☐			**LOW RISK**	☐				

	HAZARDS IDENTIFIED				
1	**Damage to the Local Environment**	☐	☐	☒	☒
2	**Delivery of Materials and Equipment**	☐	☐	☒	☐
3	**Lifting Operations**	☒	☒	☐	☐
4	**Lines of Communication**	☐	☐	☒	☐
5	**Manual Handling Operations**	☒	☐	☐	☐
6	**Persons not involved in the task including members of the Public**	☐	☐	☐	☒
7	**Plant and Machinery**	☒	☒	☐	☐
8	**Storage of Materials**	☐	☒	☐	☐
9	**Temporary Works**	☒	☒	☒	☐
10	**Utility Services**	☒	☐	☐	☐

Damage to the Local Environment

	STANDARD CONTROL MEASURES		ACTION BY
1	1	**Washout areas are kept a minimum of 10m away from watercourses and drains.**	**CCL Operatives and Supervision**
	2	**Drip trays provided and placed under all small plant where not double bunded.**	**CCL Supervision**
	3	**Fuel spillage kits provided with every machine over 8T at all times.**	**CCL Supervision**
	4	**Where fuel is being stored, this is at a location agreed with Lovell that is a minimum of 20m away from any watercourse.**	**CCL Operatives and Supervision**
	5	**Tree's that are under a Tree Protection Order are identified and fenced off.**	**CCL Operatives and Supervision**
	6	**Where works are taking place within the stream, action will be taken to ensure the damage to the local environment is minimised so far as is reasonably practicable.**	**CCL Operatives and Supervision**

Delivery of Materials and Equipment

	STANDARD CONTROL MEASURES		ACTION BY
2	1	**Before materials and equipment are brought on to the worksite, arrangements are agreed with the PC to identify a designated laydown area.**	**Lovell and CCL Supervision**
	2	**Consultation is undertaken with Lovell Project Management to ensure that deliveries of materials and equipment are planned prior to them arriving on site.**	**Lovell and CCL Supervision**
	3	**This includes the times that the deliveries are made, conditions attached to the deliveries and methods that materials and equipment will be unloaded.**	**Lovell and CCL Supervision**
	4	**Where persons are required to work at height to unload materials and/or equipment this will be undertaken with suitable and sufficient provisions in place to prevent falls.**	**CCL Supervision**

Lifting Operations			
STANDARD CONTROL MEASURES			ACTION BY
3	1	The lift is planned before any lifting activities take place using the lift plan contained within the document.	Lovell and CCL Supervision
	2	Thorough examination has been undertaken on the mechanical excavator within the last 12 months.	Lovell and CCL Supervision
	3	Thorough examination of lifting accessories has been undertaken within the last six months.	Lovell and CCL Supervision
	4	Pre-use inspection is undertaken daily before lifting equipment and accessories are used.	CCL Supervision
	5	Slinger and banksman used to undertake the lifting operation.	Lift Supervisor
	6	Tag lines used to position the lifted materials into position. No persons handle the load until it is below knee height.	Slinger/Banksman
	7	Only persons involved in the lifting operations are allowed in the working zone.	CCL Supervisor Task Operatives
Lines of Communication			
STANDARD CONTROL MEASURES			ACTION BY
4	1	All task personnel are inducted on to the worksite by Lovell before any work activities take place.	CCL Operatives and Supervision
	2	Toolbox talk issued to task personnel by CCL Site Supervisor before works take place on work activity taking place and the significant risks involved when working in close proximity to the trunk mains.	CCL Supervision
	3	Pre-start meeting held with all persons involved in the task.	All Stakeholders
	4	Task operatives briefed on utility services location.	CCL Supervision
Manual Handling Operations			
STANDARD CONTROL MEASURES			ACTION BY
5	1	Where practicable all items over 20kg will be lifted and handled with suitable lifting aids where practicable.	CCL Operatives and Supervision
	2	Materials and equipment are sighted as close to the working area as is possible and safe.	CCL Supervision
Persons not involved in the task including members of the Public			
STANDARD CONTROL MEASURES			ACTION BY
6	1	The working area where the task is taking place is protected by a "Working Zone".	CCL Operatives and Supervision
	2	The zone is defined by heras fencing to create a defined working area.	CCL Supervision
Plant and Machinery			
STANDARD CONTROL MEASURES			ACTION BY
7	1	Plant and machinery is under a regime of maintenance and inspection, operators are trained and competent.	CCL Operatives and Supervision
	2	A register of equipment is maintained by the CCL Supervisor.	CCL Supervision
	3	Plant and machinery is stored securely when not in use.	CCL Operatives and Supervision
	4	Equipment is refuelled in a designated area that is agreed with the Site Management.	Lovell and CCL Supervision
	5	Spill kits are provided for plant and machinery where the equipment is not double bunded.	CCL Supervision
	6	Seat belts are worn at all times when operating plant.	Plant Operators and CCL Supervision
	7	Operating plant has a hazard beacon that is flashing when in use.	Plant Operators and CCL Supervision
	8	All plant/work equipment certification is held in site file/machine and weekly inspections of plant, work and lift equipment are recorded.	Plant Operators and CCL Supervision

Storage of Materials

		STANDARD CONTROL MEASURES	ACTION BY
8	1	Hard standing in place that has been agreed with Lovell for the storage of materials and equipment.	Lovell and CCL Supervision
	2	Materials are stored in order to prevent the risk of injury to those within in the laydown area.	Lovell and CCL Supervision
	3	Materials will not be stacked more than two sections high.	CCL Supervision
	4	Clear walkways are provided around stored materials to reduce the risk of trips and falls.	CCL Operatives and Supervision

Temporary Works

		STANDARD CONTROL MEASURES	ACTION BY
9	1	Temporary Works managed by Lovell.	Lovell and CCL Supervision
	2	The main temporary works for this work activities are the lifting operations, and this is controlled by a lift plan that will be authorised by Lovell's TWD.	CCL Operatives and Supervision

Utility Services

		STANDARD CONTROL MEASURES	ACTION BY
10	1	Utility service plans obtained for work area.	Lovell and CCL Supervision
	2	Utility services survey undertaken to identify the location of known services and to identify any unknown utility services that exist.	CCL Operatives and Supervision
	3	Cable avoidance tool and generator used to assist in the survey.	CCL Supervision
	4	All persons involved in the excavation activities are briefed on the utility services identified.	CCL Supervision
	5	Known services will be marked out to indicate their location.	CCL Supervision
	6	Permit to dig obtained from Lovell before any excavation works take place.	Lovell and CCL Supervision
	7	Where utility services have been identified, safe digging practices are employed.	CCL Operatives and Supervision
	8	No excavating activities will be undertaken with mechanical work equipment within 10m of the UU Trunk mains. Ground to be lowered to desired depth by hand digging methods only.	All Stakeholders

PPE REQUIREMENTS	M = Mandatory at all times, T = Task Specific, NR = Not Required							
Hard Hat – BS EN 397	M	Ear Defenders – BS EN 352	T	Impact Resistant Eye Protection	T	Life Jacket	T
High-vis – BS EN 471	M	FFP3 Dust Mask – BS EN 149	T	Gloves – BS EN 388 - suitable for the specific task	M	Waterproofs	T
Safety Boots – BS EN 345	M	Eye Protection – BS EN 166	M	Wellingtons with steel toe cap – BS EN 345	T	Other as specified by control measures	NR

	SITE SPECIFIC HAZARDS		ADDITIONAL CONTROL MEASURES
1		1	
2		2	
3		3	
4		4	
5		5	
6		6	
7		7	
8		8	
9		9	
10		10	

RESIDUAL RISK AFTER SITE SPECIFIC CONTROL MEASURES ARE PUT IN PLACE

LIKELIHOOD	Very Frequent	☐	Frequent	☐	Occasional	☒	Rare	☐	Very Rare	☐
SEVERITY	Fatal	☐	Major	☐	Moderate	☒	Minor	☐	Insignificant	☐

RESIDUAL RISK RATING:	HGH RISK		MEDIUM RISK		LOW RISK	
		☐		☒		☐

Site Specific Risk Assessment review undertaken by:	Name:	Position:	Signature:	Date:
	Lee Rigby	Head of HSE	L Rigby	Jul 2021

ADDITIONAL INFORMATION/GUIDANCE CAN BE OBTAINED FROM:	RELATED H&S ARRANGEMENTS
Health and Safety Department Caldwell Construction Ltd Caldwell House, Brick Kiln Lane Etruria, Stoke On Trent Staffordshire ST4 7BS T: 01782 265532 M: 07454 110 512	➢ ➢ ➢ ➢ ➢

METHOD STATEMENT	Ref: Bridge	Caldwell Construction Ltd Caldwell House, Brick Kiln Lane, Etruria, Stoke on Trent Staffordshire ST4 7BS T: 01782 265532

Installation of Bridge over UU Trunk Mains

Client:	Lovell	Date:	Jul 2021
Contract:	Walley, Clitheroe	Review Date:	Jul 2022
Location:	Clitheroe Housing Development	Creator:	Signature:
Job No:	30626	Lee Rigby	L. Rigby

ACTIVITY DETAILS	
Activity	**The activity consists of installing a bridge over the UU trunk mains to allow a safe method of passage for vehicles and equipment over the UU trunk mains.**
Supervision Details	**The Supervision of the working activity is provided by a CCL Supervisor who holds SSSTS.**
Plant and Equipment	**Tools and equipment that will be utilised to undertake the activity will be:**
	Tracked excavator for lifting activities, Material Handing Dumper
Materials used	**Aggregates, tarmac, precast concrete pipes and head walls, premixed concrete, grout.**
Safety Induction	**Before the work activity takes place, all persons involved in the task will be or have been inducted by Lovell Site Management.**
Emergency Arrangements	**Emergency arrangements are provided by the Principal Contractor Lovell, these will consist of nominated First Aiders and Fire Marshalls with appropriate emergency equipment.**
Training Requirements	**Task Supervisor is SSSTS, Machine Operators hold current CPCS/NPORS Training,**
Other	-

PPE REQUIREMENTS	M = Mandatory at all times, T = Task Specific, NR = Not Required						
Hard Hat – BS EN 397	M	Ear Defenders – BS EN 352	T	Impact Resistant Eye Protection	T	Life Jacket	T
High-vis – BS EN 471	M	FFP3 Dust Mask – BS EN 149	T	Gloves – BS EN 388 - suitable for the specific task	T	Waterproofs	T
Safety Boots – BS EN 345	M	Eye Protection – BS EN 166	T	Wellingtons with steel toe cap – BS EN 345	T	Waders	T

Steps	Sequence of Work	Responsible
Step 01	**All task operatives will receive a Site Induction by Principal Contractor Lovell (if this hasn't already taken place).**	**CCL Supervisor Lovell**
Step 02	**Before work starts, a pre-start meeting will be held with all work party members to ensure that there is a plan in place to undertake the installation task safely. Temporary works will be managed by the Principal Contractor Lovell. Operatives will be given toolbox talks on the following subjects: the location of the UU trunk mains, safe digging practices and the control measures in place to undertake the work activities safely. Arrangements will be agreed with Task Operatives and Lovell Site Management on the action to take in the event of an emergency such as damage to the UU trunk mains.**	**CCL Operatives, Supervisor Lovell**
Step 03	**Action will be taken to allow controlled access to the segregated fenced off area.**	**CCL Supervisor Lovell**
Step 04	**Operatives will wear the personal protective equipment in-line with the requirements set out in the PPE Section above.**	**All persons involved in task**
Step 05	**A material's lay down area will be agreed with the Lovell that is suitable and sufficient for the materials to be stored that allows safe access to and from the working zone whist the works are being undertaken.**	**CCL Supervisor Lovell**
Step 06	**The working area (zone) will then be setup using Heras fencing that is double clipped with rubber feet to create a working zone that is controlled. This will include both pedestrian barriers and Heras fencing to create a secure working area that prevents access to unauthorised persons not involved in the task including members of the public.**	**CCL Operatives, Supervisor**
Step 07	**A utility services survey will be undertaken to identify known services using the service plans provided by Lovell and investigations undertaken with service locating equipment. Where it is found that there are existing services within the work area trial holes will be undertaken to identify the location and depth of existing services taking care not to increase the chances of damage to the UU trunk mains and then the services will be identified by spraying up the surface of the ground and operatives involved in the task will be briefed on the services location. A permit to dig will then be obtained from Lovell taking in to account the services identified and the measures taken to prevent damage**	**CCL Supervisor Lovell**

	to those services. Excavation by means of hand digging will be undertaken to reduce the ground levels.	
Step 08	**Once the materials and equipment have been delivered to site and stored within the materials laydown area initial works will be undertaken to create safe access to the work area.**	**CCL Supervisor** **Lovell**
Step 09	**Once the working area is ready and the levels have been set out by the CCL Engineer then action will be taken prep the working area by stripping the vegetation ready for the installation of the pile/crane mat in-line with the temporary works design provided by the PC Lovells.**	**CCL Operatives, Supervisor Lovell**
Step 10	**Once the piling / crane matt is in place, driven piles will be installed by a third party contractor Bullivants (appointed by Lovells).**	**Lovells**
Step 11	**Once the piles have been installed, action will then be taken to crop the piles down to the desired depth, ready for the construction of a concrete plinth with steel reinforcement.**	**CCL Operatives, Supervisor**
Step 12	**Once the piles and support beams are complete, action will then be taken to install pre-cast beams across the UU trunk mains to create a bridge ready for road construction in-line with the design supplied by Lovells.**	**CCL Operatives, Supervisor**
Step 13	**Once the beams are in place, action will be taken to grout the beams to seal them ready for the permanent road construction.**	**CCL Operatives, Supervisor**
Step 14	**Action will then be undertaken to install a standard road construction in-line with the design provided by Lovells.**	**CCL Operatives, Supervisor**
Step 15	**At no point will any work equipment or plant transport over the UU trunk mains without adequate protection on place.**	**CCL Operatives, Supervisor**
Installation of Outfall Connection to Attenuation Pond		
Step 16	**Following this, roads and sewers pipework installation will then be undertaken to connect the outfall network into the attenuation pond. Excavation works will be undertaken by hand digging only within 10m of the UU trunk mains.**	**CCL Operatives, Supervisor**
Step 17	**A trench box will then be used to support the sides of the excavation. Before persons enter the trench box all safe working precautions such as edge safe protection, safe access platform and a secured ladder must be in place for the installation of the pipework Consideration of the weights of the excavation support systems on UU trunk mains Temporary works design to be obtained from Groundforce for excavation support systems in close proximity or directly over the UU Trunk mains.**	**CCL Operatives, Supervisor**
Step 18	**Manhole box to be used to install headwall at attenuation pond. Where it is found that it is unclear what the depths of the shallow areas by the Head Walls installation are, then works should be suspended until further guidance is obtained.**	**CCL Operatives, Supervisor Lovell**
Step 19	**Once it is deemed safe to continue then a foundation base should be excavated into the stream bed ready for a foundation base for the toe of the head wall to be installed. The base will be formed of type 1 MOT and compacted to the desired rate.**	**CCL Operatives, Supervisor**
Step 20	**Once the foundation base has been installed work will then be undertaken to lower the toe of the head wall into place using lifting accessories and the 22T excavator. Please note that a check should be undertaken on the lifting accessories to ensure they are fit for use and are within the thorough examination dates (within the last 6 months).**	**CCL Operatives, Supervisor**
Step 21	**Tag lines should be used to assist in the location of the pre-cast headwall toe in to the final position. At no point should any persons go directly underneath the lifted materials.**	**CCL Operatives, Supervisor**
Step 22	**Once the pre-cast toe is in place action will then be taken to install the pre-cast head wall.**	**CCL Operatives, Supervisor**
Step 23	**Before the lifting operation takes place a check will be undertaken to ensure that the lifting points are in a good condition. Tag lines should be used to assist in the location of the pre-cast headwall in to the final position. At no point should any persons go directly underneath the lifted materials. Work party members should consider their location of their feet when the headwall toe and headwall are being positioned into the final location! Handrails will then be installed to create the edge protection.**	**CCL Operatives, Supervisor**
Step 24	**A task will then be undertaken to backfill around the pipework and headwall that's been installed to restore the structure surrounding the head walls installed. Pedestrian barriers should be installed as a temporary measure for the fall from height hazard. Any waste materials will be removed from the working area and disposed of using the site waste management systems.**	**CCL Operatives, Supervisor**
Step 25	**Once it is deemed safe then the manhole box will be removed, and the area will be back filled to re-construct the ground.**	**CCL Operatives, Supervisor**

Step 26	**Action will then be taken to remove the temporary closure Heras fence panels at each end of the public footpath to allow public access to the footpath once again.**	**CCL Operatives, Supervisor**
Step 27	**This is the end of the working task.**	**-**

EMERGENCY PLAN	Ref: Bridge	Caldwell Construction Ltd Caldwell House, Brick Kiln Lane, Etruria, Stoke on Trent Staffordshire ST4 7BS T: 01782 265532

Installation of Bridge over UU Trunk Mains

Client:	Lovell	Date:	Jul 2021
Contract:	Walley, Clitheroe	Review Date:	Jul 2022
Location:	Clitheroe Housing Development	Assessor:	Signature:
Job No:	30626	Lee Rigby	L. Rigby

	EMERGENCY EQUIPMENT	ACTION BY
1	Life jackets – if required where the water level is over 2' deep.	CCL Operatives and Supervision
2	Emergency rescue rings x2 plus rescue rope attached to the rings.	CCL Supervision
3	First aid kit at the Site of Works and within the Site Office.	CCL Supervision
4	Spare set of clothes for all persons entering or working in close proximity to the Stream.	CCL Operatives and Supervision
5	Adult Emergency Foil Blankets	CCL Operatives and Supervision
6	Full charged mobile phone that all persons in the Work party can operate.	CCL Operatives and Supervision

	PRE-START CHECKS	ACTION BY
1	Check the weather forecast to identify any changes in the weather conditions.	CCL Operatives and Supervision
2	Check the emergency mobile phone for function and battery life.	CCL Supervision
3	Inspect the Stream to see if there have been any changes in the condition of access/egress, water levels, stability of the work area.	CCL Supervision

	ACTION TO TAKE	ACTION BY
1	Raise the alarm using agreed method.	CCL Operatives and Supervision
2	Summon help	CCL Supervision
3	Don't put yourself at risk!	CCL Supervision
4	Where safe to do so make efforts to rescue the person(s) within the pond using the rescue rings with rescue lines attached.	CCL Operatives and Supervision

	TASK PLAN	Ref: Bridge	Caldwell Construction Ltd Caldwell House, Brick Kiln Lane, Etruria, Stoke on Trent Staffordshire ST4 7BS T: 01782 265532

Installation of Bridge over UU Trunk Mains

Client:	Lovell	Date:	Jul 2021
Contract:	Walley, Clitheroe	Review Date:	Jul 2022
Location:	Clitheroe Housing Development	Assessor:	Signature:
Job No:	30626	Lee Rigby	L. Rigby

		LOCATION
1	**Work area Access Points**	
2	**Deliveries Laydown/transfer Area**	
3	**First Aid Kit**	
4	**Life Rings**	
5	**Rescue Point**	
6	**Excavator**	
7	**Dumper Material Transfer Point**	
8	**Material Laydown Area**	

LIFTING PLAN

(For Excavators/Telehandlers/Forklifts/MEWPs/Lorry Mounted Cranes)

Contract Name:		Contract Number:	
Description of the lift:			
Dates of the lift:	from:	to:	

Persons involved in the lift. I confirm the persons involved in the lift are CPCS qualified and competent:

Driver / Operator:	Photocopy of card attached	☐ or	Name:	Card No.	Exp. Date:
Slinger / Signaller(s):	Photocopy of card attached	☐ or	Name:	Card No.	Exp. Date:
	Photocopy of card attached	☐ or	Name:	Card No.	Exp. Date:

Project Lifting Co-ordinator checks. I confirm:

	Plant / lifting equipment	**Remarks:**
☐	The Thorough Examination Certificate is valid and in date	
☐	The contractor / supplier has a register of formal weekly inspections	
	Lifting accessories	**Remarks:**
☐	The Thorough Examination Certificates are valid and in date	
☐	The contractor / supplier has a register of formal weekly inspections	
	Lift environment	**Remarks:**
☐	Ground conditions are suitable for access and any point loads	
☐	Underground services / drains / voids are not a risk to the lift / at risk of damage	
☐	Overhead services are not a risk to the lift / at risk of being struck	
☐	Structures, scaffolds, etc are not at risk of being struck or pose a restriction	
☐	Measures are in place to control the risk to pedestrians / 3rd parties	
☐	Measures are in place to control the risk to / from traffic and/or other plant	
☐	Oversailing	
☐	Driver / signaller can see each other or radios available	
☐	Methods for controlling the load (e.g. tag lines) are available if required	
☐	The landing place is suitable / stable	

Other relevant information / comments:

Lifting Co-ordinator	Sign	Print	Date

TEN GOLDEN RULES OF SAFE DIGGING AROUND UTILITY SERVICES

1	Plan the Work Activity – identify the work area where the digging activities are taking place.	
2	Obtain Service Drawings from Client/Principal Contractor: 1, Existing Drawings 2, Proposed Construction Drawings 3, As Laid Drawings	
3	Visit the work area and undertake a survey to identify the location of known/unknown services using the service plans(existing, construction drawings and as laid), CAT and Generator and any other key indicators such as lighting columns, manholes, excavation track marks, etc.	
4	Mark up any services that are found with marker spray (**ideally, appropriate colour for service – Blue for Water, Grey for Telecoms, Red for Electric, Yellow for Gas**) and protect any services with barriers to make sure that they don't get damaged while working in the area.	
5	Assess the Risks involved in the digging activity – Review and update the Task Risk Assessment where required.	
6	Implement a Safe System of Work – Update the Method Statement where required. No digging with a machine or power tools within 0.5m of known services. Hand digging must be undertaken with insulated shovels around live services.	
7	Obtain a Permit to Dig from the Site Agent. **Please note that the Permit to Dig must be completed correctly by both the Site Management and Person in Control of the Works.** **No permit no breaking of ground!**	
8	Before the work activity starts, the activity Supervisor should brief the work party members on the RAM's, Service Plans and Permit to Dig. **At no point should excavations commence until all the information has been briefed to all work party members and they have signed to confirm that they understand the arrangements in place.**	
9	Setup a safe working zone around the perimeter of the working area with pedestrian barriers that are a minimum of 2m away from the excavation edge. **Ensure you're in control of your working area.**	
10	Dig with caution at all times. Treat all services as live until you have formal confirmation (disconnection / isolation certificate) that they're dead. As the digging activity proceeds, undertake regular checks of the area with the CAT Scanner and Generator to identify if there are any services that have not been identified previously. **STOP the work activity if you or others are in danger!**	

SERVICE STRIKES CAN KILL OR SERIOUSLY INJURE YOU OR OTHERS AROUND YOU, DON'T TAKE THE RISK!

waterway recovery group

Tool box Talk
volunteers restoring the waterways

Leptospirosis

Leptospirosis a form of bacterial infection, also known as Weil's Disease, that is carried by animals, most commonly in rats and cattle. The bacteria can enter through breaks in the skin, such as scratches or cuts, or through the lining of the mouth and nose after contact with urine contaminated water usually found ditches, slow flowing rivers … and derelict canals!

The are two types of Leptospirosis infection which affect people in the UK are:

Weil's disease - this is a serious and sometimes fatal infection that is transmitted to humans by contact with urine from infected rats.

Hardjo form of Leptospirosis - this is transmitted from cattle to humans.

Symptoms

First symptoms are flu-like—persistent headaches, and possibly chills. Later symptoms can lead to vomiting, muscle pains and ultimately jaundice and kidney failure. It begins as a mild illness, which can be easily cured if treated early enough. If left untreated, it becomes more serious and in rare cases the disease can be fatal.

Symptoms can occur between 3 and 21 days from the time of infection.

Although the risk of infection is small, you should take sensible precautions:

Do

- ✓ Cover, with waterproof plasters, all open scratches, cuts, sores and skin affected by eczema etc.
- ✓ Wash your hands before eating, drinking or smoking, and after you have finished working.
- ✓ Wear protective equipment you are provided with—including rubber gloves and boots.
- ✓ Wash thoroughly, and as soon as possible, if you have entered the water.
- ✓ See a doctor if you feel ill with flu like symptoms, and tell them you have been working near water.
- ✓ Site Leader should ensure there are adequate washing facilities and first aid on site.
- ✓ **Important:** If the Doctor decides you have Leptospirosis tell your site leader who should then report it to WRG Head Office & the Health & Safety Executive.

Don't

- X Don't encourage the presence of vermin — keep the site tidy and dispose of all rubbish correctly.
- X Don't handle dead rats with unprotected hands, wherever possible use a shovel or other tool.
- X Don't be tempted to drink any water on site (apart from what has been provided for drinking), even if it looks clean.
- X Don't wear contaminated site clothing in food preparation or eating areas.

More information

Health & Safety Executive guidance
http://www.hse.gov.uk/pubns/indg84.pdf

ConstructionSkills Tool Box Talk

No. 34 Working over water

Prepare Location? Distractions? Talk aids?

Reason 75% of all drownings occur in inland waters.

Why Male drownings are most common, due to bravado, foolishness and lack of safety

awareness.

OutlineThis talk will cover prevention of drowning and rescue from the water.

Prevention of drowning

1. Working platforms must be properly constructed including toe-boards and guard-rails. Secure boards to prevent them from being dislodged by rising water or high winds.
2. Life jackets or buoyancy aids must be worn where appropriate.
3. Safety harnesses must be worn where appropriate.
4. Lighting must be adequate for night work and must illuminate the immediate surrounding water surface.

Q: What should be available for emergencies?

5. Check on your workmates at frequent intervals – no lone working.
6. Appropriate rescue equipment must be available and in good condition.
7. Ensure that pontoons are properly loaded, stable and securely moored.

Q: Where must tools and materials be stacked?

8. Ensure deck access and egress are clean and don't become slippery. Deal quickly with hazards.
9. A life jacket will automatically turn an unconscious person into a face-up position in the water, a buoyancy aid may not.
10. Ensure you only embark at suitable landing places.
11. Don't remove guard-rails – they are there for your safety.

Q: When should a life jacket or buoyancy aid be worn?

Rescue from the water

1. Ensure you don't work alone, so that one of you can always raise the alarm.
2. Ensure your life-saving equipment is available and checked at the start of every shift.
3. Where a safety boat is provided, check the equipment at the start of every shift.

Q: What should be checked at the start of each shift?

4. Rescue boats must be continuously manned by competent people during night work and in tidal waters.
5. Powerful spotlights should be available if working at night.
6. Ensure you are familiar with emergency drills.
7. Report defects to the person in charge immediately.
8. Be aware of the dangers from Weil's disease.

Q: When should rescue boats be manned?

- **Note to supervisor:** Now inform your workforce of the company policy regarding working over water.

Do you have any questions for me?

Questions for you

Q: Why shouldn't you work alone? Q: Who should man a rescue boat?

FOOLISHNESS AND BRAVADO OVER WATER LEAD TO PEOPLE GETTING DROWNED.

Further information

- *Construction Site Safety* (GE 700) – Module C3
- *Site Safety Simplified* (GE 706) – Chapter 5
- HSE – COP25 Safety in docks

CONFIRMATION THAT THIS RISK ASSESSMENT AND METHOD STATEMENT IS UNDERSTOOD AND THE CONTROL MEASURES WILL BE UTLISED AND THE METHOD OF WORK WILL BE FOLLOWED.

Note: If you do not understand any part of these arrangements please speak to your Manager/Supervisor.

Person conducting induction: Name: …….. Position: …….

NAME (Print Clearly)	**SIGNATURE**	**DATE**	**NAME** (Print Clearly)	**SIGNATURE**	**DATE**