

Demolition of existing Sewage Pumping Station.

Risk Assessment and Method Statement

Project:	Three Mile Cross (Repurpose of redundant SPS)
Project Number:	L887 (H616)
Document Reference Number:	MWS-L887/01/RAMS Rev02
Date:	30/05/26
Work Description:	Demolition of the existing decommissioned SPS building, including associated minor structures and foundations. The Services to be carried out whilst maintaining continuous service in the network.

There must be no deviation from this Method Statement without prior approval from the MGW Site Manager.

	Prepared By:	Reviewed By:	Reviewed By:
Name:	James Cavill		Neil Fleming
Signed:	<i>J Cavill</i>		<i>nfleming</i>
Date:	29.05.26		29.05.26

Document Ref: MGW-FM-T-EMS-0023	Demolition of existing Sewage Pumping Station.
MWS -RAMS L887 Three Mile Cross (Demolition of existing SPS) (Rev02) LEVEL 4 Records and Forms	Page 1 of 23
Date: 08/12/24	Version 1.0

Revision History

Issue:	Date:	Pages:	Issue Description:	Prepared:	Reviewed & Accepted:
01	29.05.26	22	For review	J. Cavill	
02	02.06.26	22	Revisions	J. Cavill	N. Fleming

Table of Contents

Risk Assessment and Method Statement Template	1
1. Introduction	4
2. Reference Documents	5
3. Safety Documents	5
4. Access and Egress	5
5. Work Boundaries	5
6. Method of Working	6
7. Work-Specific Emergency Procedures.....	7
8. Manual Handling	8
9. Personal Protective Equipment (PPE)	8
10. Materials.....	Error! Bookmark not defined.
11. Plant, Tools and Equipment	9
12. Labour	9
13. Delineation and Demarcation	9
14. Supervisory Requirements	10
15. Programme	10
16. Waste Management	10
17. Environmental Impacts	10
18. Training and Competence.....	10
19. Signing-On Register	10

1. Introduction

This document outlines the safe sequence of works for the demolition of the existing sewage pumping station building, including associated minor structures and foundations. The works will use 8 ton excavator with all activities carried out in compliance with UK regulations (CDM 2015, HSE guidance and relevant British Standards. The managing of these works will be carried out by the site Manager for MGS and site Supervision within the gangs on site.



Milestone	Date
Commencement on site	20 th July 2026

Document Ref: MGW-FM-T-EMS-0023	Demolition of existing Sewage Pumping Station.
MWS -RAMS L887 Three Mile Cross (Demolition of existing SPS) (Rev02) LEVEL 4 Records and Forms	Page 4 of 23
Date: 08/12/24	Version 2.0

2. Reference Documents

- Site Specific Risk Assessment -MWS-FM-S-013
- First 10 Minute Briefing-MWS-FM-S-910
- Planning and Pre-Start Checklist-MWS-FM-S-939
- Work Equipment Inspection Form-MWS-FM-S-930
- Daily Mobile Plant Check List-MWS-FM-S-905

3. Safety Documents

MWS & Thames Water safety documents, permits and procedures will be in use in all areas of the existing SPS building. The documents will be briefed to the site operatives & subcontractors and signed to acknowledge the understanding of the briefing and what is expected of everyone within the site surveying team. All safety documents will be retained at the site welfare in the site pack & will be available for reference and/or inspection at any time.

4. Access and Egress

Access to the Three Mile Cross SPS will be from Basingstoke Road, Reading. RG7 1AX.

All personnel under MGS control will report to the MGW site manager's office immediately and record their attendance (on- and off-site), and receive the relevant MGS induction (full, visitor, driver) before entering the site,

Site Deliveries

A competent banksman will fully supervise all deliveries according to TWUL ES14.

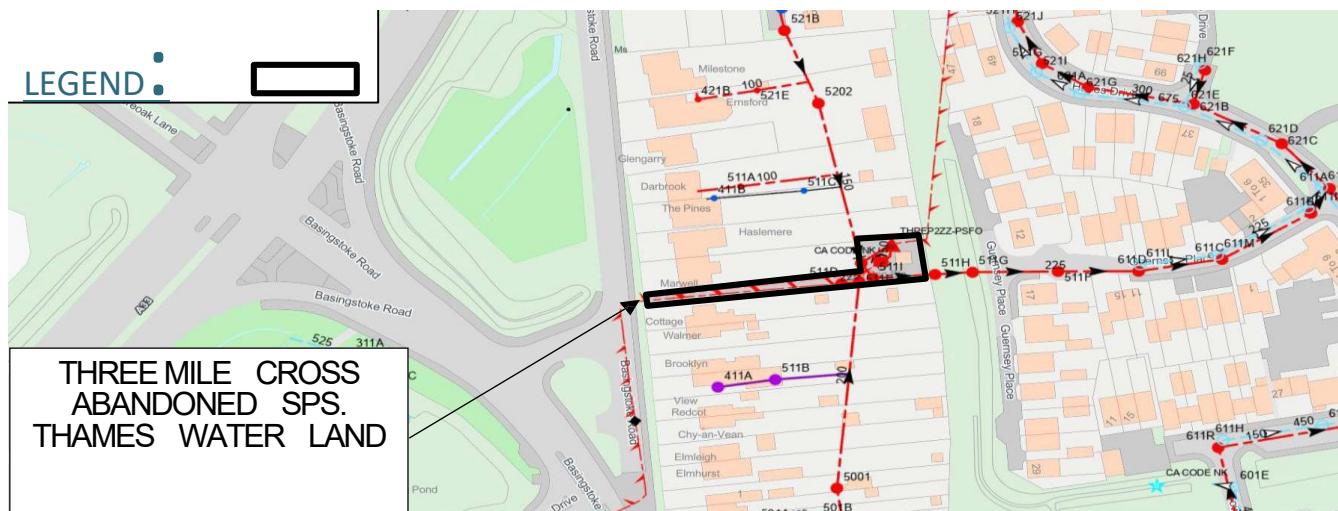
All plant associated with the works will be delivered and stored within the SPS site area.

5. Work Boundaries.

The SPS is private land owned by TWUL, all working areas within the SPS will be secured by the means of Heras fencing.

All works will be undertaken within the MGW CDM area at Three Mile Cross, Basingstoke Road, Reading, RG7 1AX

Document Ref: MGW-FM-T-EMS-0023	Demolition of existing Sewage Pumping Station.
MWS -RAMS L887 Three Mile Cross (Demolition of existing SPS) (Rev02)LEVEL 4 Records and Forms	Page 5 of 23
Date: 08/12/24	Version 2.0



What Three Words-///baking.emerge.admiral

Additional safety barriers will be erected to mitigate any demolition hazards.

All-access and egress will be restricted to Authorised Personnel Only.

6. Method of Working

HOLD POINT-Asbestos report confirming no Asbestos on site prior to any demolition works starting

HOLD POINT - Electrical supply has been removed, Copy of SSEN disconnection certificate to held within site file on site. Water supply has been isolated at the footway. Additional checks to confirm on site before works proceed.

Pre-Demolition

- Surveys & Investigations- Asbestos Demolition survey** -Check carried out for hazardous materials (asbestos, lead, contaminated soil) -samples taken and analysed by UKAS – accredited lab, any hazardous materials removed by licenced contractor before demolition starts. Assess ground conditions, access routes for plant and vehicles.
Permits & Notifications- Obtain necessary planning permissions and environmental permits.
- Site setup**- Erect secure perimeter fencing and warning signs, restrict access to authorised personnel only. Establish designated walkways, plant routes and waste storage areas. Locate welfare facilities, first aid point and emergency assembly area. Brief all personnel on site rules, risks and work sequences before works begin.

Demolition.

Phase 1. soft stripping- Remove all loose items, internal fixtures, doors, windows and non-structural partitions by hand or small tools. All removed materials are segregated and placed in appropriate skips/storage area immediately.

HOLD POINT- MWS to obtain council approvals before demolition works commence

Document Ref: MGW-FM-T-EMS-0023	Demolition of existing Sewage Pumping Station.
MWS -RAMS L887 Three Mile Cross (Demolition of existing SPS) (Rev02)LEVEL 4 Records and Forms	Page 6 of 23
Date: 08/12/24	Version 2.0

Phase 2. Structural Demolition- Demolition proceeds from top down and outside in. never work beneath unsupported structures, avoid progressive collapse risks. Remove roof coverings and structure first. Use 8-ton excavator machine for lighter elements, ensure no load is transferred to walls prematurely. Remove external and internal walls systematically; use 8-ton machine for lower /lighter walls, use hydraulic pulveriser to break down material for easier handling. Break out slabs only after walls above are fully removed, use breaker attachment as required, ensure ground is stable before plant operates.

HOLD POINT: Permit to break ground issued prior to any excavating

Phase 3. Foundation & below ground works. Remove strip foundations, pad stones and base slabs using 8-ton excavator. Break out concrete and separate reinforcement. Backfill any voids or excavations with clean suitable material as specified, compact in layers. Ensure all below ground obstructions are fully removed to required depth.

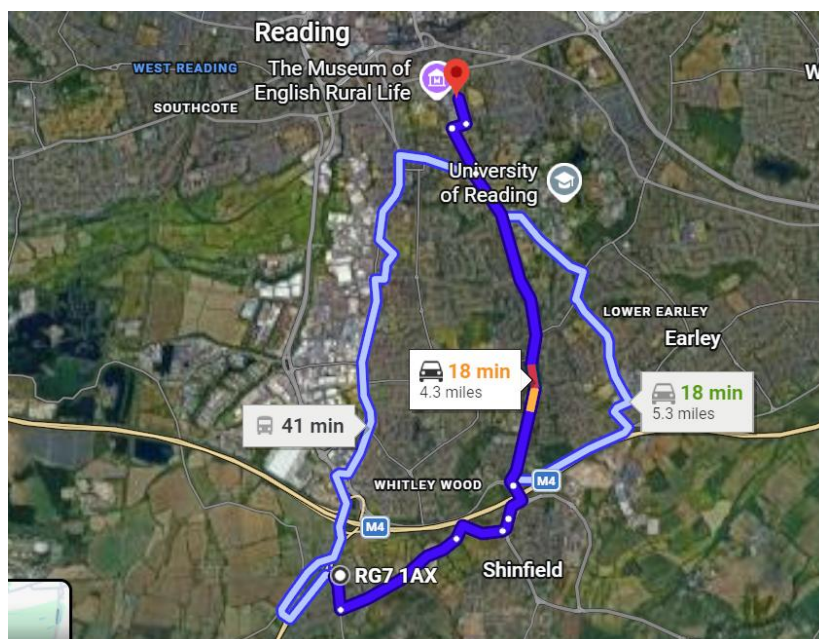
Phase 4. Waste management & site clearance. All waste is segregated on site, clean concrete /brick, metal, timber and hazardous waste (if any). Waste is removed by licenced waste carriers, transfer notes completed and retained. Final site clearance, remove all debris, level ground and leave site in a safe condition.

7. Work-Specific Emergency Procedures

Neil Fleming – Project Manager (07974113078)

Steve Thompson – SHEQ Advisor (07595 962274)

HOSPITAL ROUTE: Royal Berkshire Hospital Accident and Emergency Department.



Document Ref: MGW-FM-T-EMS-0023	Demolition of existing Sewage Pumping Station.
MWS -RAMS L887 Three Mile Cross (Demolition of existing SPS) (Rev02)LEVEL 4 Records and Forms	Page 7 of 23
Date: 08/12/24	Version 2.0

RG7 1AX

Three Mile Cross, Reading

- Continue to Basingstoke Rd

7 sec (108 ft) _____

- Take Church Ln and Shinfield Rd to Elmhurst Rd in Reading

12 min (3.7 mi) _____

- Take Redlands Rd to Craven Rd

4 min (0.6 mi) _____

Royal Berkshire Hospital Accident and Emergency Dept

21 Craven Rd, Reading RG1 5BD

(Rescue procedures, first aid requirements, spill response/ directions to nearest hospital)

MWS Incident Line 0330 123 1092

Please Refer to Site Specific Emergency Plan for Site Emergency Arrangements.

Manual Handling.

Manual handling shall be avoided where practicable by the use of mechanical means. Any items to be manually handled shall be placed as close to the work area as possible by mechanical means to reduce carrying distances. All operatives engaged in manual handling operations shall be trained. All weights of all items to be handled shall be known. Personal capabilities shall not be exceeded. Any person predisposed to musculoskeletal conditions/disorders shall be excluded from manual handling operations.

8. Personal Protective Equipment (PPE)

The following PPE is to be worn as a minimum by all MGW employees, subcontractor operatives and supervisors on MGW construction sites. Additional task-specific PPE will be defined in the attached Risk Assessment:

The following PPE is to be worn as a minimum by all MWS employees and subcontractors.

Mandatory

- Safety Helmet (EN397)
- Lace-up Safety Boots with ankle support mid-sole and toe protection (EN 20345 S3)
- Hi-visibility clothing (EN ISO 20471: 2013 Class 3)
- Safety Glasses (EN166:1 F)
- Flame-retardant clothing with ARC protection (IEC 61482-2:2009 class 1 – ATPV 8,0 cal/cm², EN ISO 11612: 2015/A1 B1 C1 F1, EN ISO 14116:2015/Index 3, EN 1149-5:2008)

Document Ref: MGW-FM-T-EMS-0023	Demolition of existing Sewage Pumping Station.
MWS -RAMS L887 Three Mile Cross (Demolition of existing SPS) (Rev02)LEVEL 4 Records and Forms	Page 8 of 23
Date: 08/12/24	Version 2.0

- Protective Gloves (EN388:2016 4221X)

Task Specific

- Safety Goggles (EN166:1 B)
- Ear Defenders (EN352:3 SNR30dB)
- Personal gas monitor

Task specific PPE will be defined in the attached Risk Assessment:

9. Materials

Below are some of the commonly used materials.

- Petrol – COSHH assessment in Gang Pack
- Diesel – COSHH assessment in Gang Pack
- Materials for site Welfare (Cleaning products)
- Engine & Hydraulic Oil – COSHH assessment in Gang Pack
- Topsoil

10. Plant, Tools and Equipment

Works Vans, Welfare Units, Excavator, Generator, Gas Detectors, Barriers, dumper, tippers, grab lorry, compressor, air pick, ladder, skips.

MGW-FM-S-905 Daily mobile plant checks.

MGW-FM-S-912 Excavator Pre-use checks

MGW-FM-SHE-HS-030 Weekly Vibration exposure assessment

MGW-FM-SHE-HS-043 PUWER Inspection Report

MGW-FM-SHE-HS-045 Loler Inspection Report

MGW-FM-SHE-HS-048 Ladder Inspection Checklist

Note: Other specialized equipment for task specific operations will be provided by the appointed contractors and then included to daily operations recording systems when utilized at site.

11. Labour

Site labour will consist of the following personnel.

- Project Management
- Site Manager
- Working Foreman
- Team Leaders
- Plant Operators
- General Operatives/Subcontractors
- External stakeholders (EG. Thames Water Personnel)

12. Delineation and Demarcation

The works will all take place within the confines of Three Mile Cross SPS which is private land owned by TWUL.

Document Ref: MGW-FM-T-EMS-0023	Demolition of existing Sewage Pumping Station.
MWS -RAMS L887 Three Mile Cross (Demolition of existing SPS) (Rev02) LEVEL 4 Records and Forms	Page 9 of 23
Date: 08/12/24	Version 2.0

13. Supervisory Requirements

A site supervisor will always be present whilst the works are being carried out on site. This will include the site manager and site Engineer.

14. Programme

Milestone	Date
Commencement on site	20 th July 2026

5 Day working – Monday to Friday 08.00 to 18.00hrs.

15. Waste Management

A general waste skip will be onsite for any welfare & general waste. All general waste will be removed from the site and disposed of at a registered waste disposal site and carried by a registered, licensed hauler, verified with the EA.

Asbestos will be removed by an approved supplier if shown to be present from the further report carried out.

16. Environmental Impacts

No Environmental impact is expected from the site works. Control measures will be in place for all re fuelling of welfare if required. Spill kits will be available on site and out in the work site. In the event of encountering any hazardous substances whilst carrying out the surveying of the manhole, the works will be stopped, assessed and the appropriate measures put in place for the safe removal of hazardous waste from site. The 24 HR Environmental Incident contact number (RSK-0333 9997687) is available in the site pack under the Emergency Procedures Summary sheet in the event of any spillages that can't be contained on site.

17. Training and Competence

All personnel/operatives in the MWS team will hold a minimum of **Thame Water Passport or EUSR SHEA Water**. These, plus additional task-specific qualifications, will be verified before site-specific inductions being carried out. These will include full confined space city and guilds levels relevant to their roles within the team

18. Signing-On Register

Persons in Attendance During the Work

I, the undersigned, have read, discussed, and fully understand the above Method Statement and Risk Assessment for the work activities and will adhere to all its methods of working and conditions.

Print Name:

Company:

Signature:

Date:

Document Ref: MGW-FM-T-EMS-0023	Demolition of existing Sewage Pumping Station.
MWS -RAMS L887 Three Mile Cross (Demolition of existing SPS) (Rev02) LEVEL 4 Records and Forms	Page 10 of 23
Date: 08/12/24	Version 2.0

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Once approved, this Method Statement shall not be deviated from or amended without the agreement of the Principal Contractor.

Document Ref: MGW-FM-T-EMS-0023	Demolition of existing Sewage Pumping Station.
MWS -RAMS L887 Three Mile Cross (Demolition of existing SPS) (Rev02)LEVEL 4 Records and Forms	Page 11 of 23
Date: 08/12/24	Version 2.0

Date:	29.05.26	Risk Assessment			
Rev:	1	Activity:	Demolition of SPS	Assessed By:	James Cavill
Location:	Three Mile Cross, Basingstoke Road, Reading, RG7 1AX	Contract Number:	FA1594 LOT4	Department: DSMP	
Brief Description of the Work: Demolition of the existing decommissioned SPS building, including associated minor structures and foundations. The Services to be carried out whilst maintaining continuous service in the network.					

Brief Description of Work	Demolition of the existing decommissioned SPS building, including associated minor structures and foundations.			RA Ref No. & Issue	MWS- RA-L887/01
Location of Work	Three Mile Cross, Basingstoke Road, Reading, RG7 1AX	Project No.	L887	MS Ref No. & Issue	MWS-L887/01/RAMS
Assessed By	James Cavill			Date of Creation	29.05.26
Review Cycle	Where any significant change to work or environment occurs, a thorough review of their Risk Assessment to take place and a new Method Statement written.				

* Additional assessment is required for these hazards

HAZARD CATEGORY – WHAT MIGHT GO WRONG											
	Members of public	Operatives	Other		Members of public	Operatives	Other		Members of public	Operatives	Other
1. Access/Egress	☒	☒	☒	2. Working at height	☐	☒	☐	3. Multi-level working	☐	☐	☐
4. Confined space working	☐	☐	☐	5. Restricted means of escape/rescue	☐	☐	☐	6. Excavations	☒	☒	☒
7. Buried services	☐	☒	☐	8. Mobile or fixed plant	☐	☒	☐	9. Live plant or equipment	☐	☒	☐
10. Hand tools/equipment etc.	☐	☒	☐	11. Pneumatic-powered tools	☐	☒	☐	12. Electrically powered tools	☐	☒	☐
13. Electricity	☐	☒	☐	14. Stored pressure/energy	☐	☐	☐	15. Hazardous substances	☐	☒	☐
16. Lifting operations	☐	☒	☒	17. Exposure to vibration *	☐	☒	☐	18. Manual handling *	☐	☒	☐
19. Radiation *	☐	☐	☐	20. Asbestos *	☐	☒	☒	21. Hot Process – welding, burning, grinding	☐	☐	☐
22. Fire/flammable atmosphere	☐	☐	☐	23. Explosion	☐	☒	☐	24. Water/Drowning	☐	☒	☐
25. Asphyxiation	☐	☐	☐	26. Adverse weather	☐	☒	☐	27. Temperature (High or Low)	☐	☒	☐
28. Lighting	☐	☐	☐	29. Noise	☐	☒	☐	30. Dust and Fumes	☒	☒	☒
31. RMZs	☐	☐	☐		☐	☐	☐		☐	☐	☐
Other Considerations	☐	☐	☐	1A. Young persons	☐	☐	☐	2A. New or expectant mothers	☐	☐	☐
	☐	☐	☐	3A. Disabled persons	☒	☐	☒		☐	☐	☐

Date:	30.05.2026	Risk Assessment			
Rev:	1	Activity:	Demolition of SPS	Assessed By:	James Cavill
Location:	Three Mile Cross, Basingstoke Road, Reading, RG7 1A	Contract Number:	FA1594 LOT4	Department: DSMP	
Demolition of the existing decommissioned SPS building, including associated minor structures and foundations. The Services to be carried out whilst maintaining continuous service in the network.					

Hazard category	Identified Hazard	Associated Risks	Control Measure	Risk Rating with Controls L x S			Person responsible for methods of monitoring control measure
	Working within works site area	Physical hazards, chemical exposure, environmental factors & human factors.	TOCOP in place - Must follow local & site speed limits. - Must maintain tidy site. - Adhere to TW & any site-specific rules. Works area must be always enclosed	3	3	9	Site Supervisor
	Site hazards to public from equipment, substances,	Moving machinery, slips, trips & falls.	- Ensure any perimeter fencing on site is closed to public. - Perimeter signing: "Construction Site Danger Keep Out" to be displayed on perimeter. Erect main company display sign system at entrance.	3	3	9	Site Supervisor

Hazard category	Identified Hazard	Associated Risks	Control Measure	Risk Rating with Controls L x S			Person responsible for methods of monitoring control measure
	materials, and site facilities.		- Visitors to report to site office and sign visitors register. - Out of hours: - Gates secured. - Secure all containers. - Secure the work area. - Secure hazardous substances, (if applicable) etc. - Ensure all works are stable, secure materials and tidy site before cease works. All plant and machinery secured and immobilized & keys placed in locked cabinets.				
	Welfare – Working outdoor extreme condition under weather	Extreme heat (High temperature & sun exposure) Extreme cold (Low temperatures & wind chill) Heavy rain, storms & flooding. High winds.	- Supervisor to assess on daily basis if works should cease due to adverse weather. - Appropriate PPE to be issued and worn dependent upon the conditions – suitable for cold/warm weather conditions. Provide suitable and sufficient welfare cabin with hot water toilets and food heating facilities (provided by MWS)	3	3	9	Site Supervisor
	Injuries to operative's staff, subcontractors and visitors whilst	Slips, trips & falls.	- Mandatory PPEs are Required for site setting up activities, etc. - Gloves - Flame retardant high visibility vest/ jacket.	3	3	9	Site Supervisor

Document Ref: MGW-FM-T-EMS-0023	Demolition of existing Sewage Pumping Station.
MWS -RAMS L887 Three Mile Cross (Demolition of existing SPS) (Rev02) LEVEL 4 Records and Forms	Page 15 of 23
Date: 08/12/24	Version 1.0

Hazard category	Identified Hazard	Associated Risks	Control Measure	Risk Rating with Controls L x S			Person responsible for methods of monitoring control measure
	working or inspecting on site – Use of Mandatory PPE and other require PPE / RPE	Struck by or falling objects. Manual handling injuries. Machinery & equipment hazards. Fire & explosion hazards.	- Flame retardant high visibility trousers. - Hard hat - Steel toe safety boot - Safety glass • Other PPE's / RPE's which shall be required. - Suitable/ sufficient dust mask or full-face dusk mask come with filters for cleaning. - Ear plug or suitable/sufficient ear protection – whilst working adjacent to any noisy plant				
	Slips, trips, and falls	Loss of traction, wet, oily or greasy surfaces. Ice, snow or water accumulation. Obstacles in pathways, poor housekeeping. Height or ground level falls.	• Good housekeeping to be practiced on the site. • Tools & materials to be stored and kept clear of walkways. • Do not use plant or tools in an untidy area. • Do not lean on any barriers. • Do not walk along the edges of open chambers. - Ensure that there are no trailing leads on site.	4	4	16	Site Supervisor
	Manual Handling injuries	MSDs, RSIs, Crush and impact injuries. Sprains, strains & soft tissue injuries.	• Manual Handling assessments completed and briefed. • Clean and maintain tidy work area. • Do not keep materials and tools on walkways and access routes. • Use suitable/ Available mechanical equipment for lifting and moving. • PPE compliance. • Mechanical Handling if possible	4	4	16	Site Supervisor

Hazard category	Identified Hazard	Associated Risks	Control Measure	Risk Rating with Controls L x S			Person responsible for methods of monitoring control measure
			• Correct Lifting Techniques as per manual handling training. • Safe Access and Egress • Mobile Phone Prohibitions				
	Emergency-Accident and injuries, Fire, Inadequate first aid	Severe injuries, fatalities, and operational disruption.	• Establish fire & emergency procedures & include in job packs. • Suitable and sufficient firefighting equipment shall be placed near work area. • Sufficient First Aiders (4 day) min 1 per site and additional Authorized Persons (1 day) as appropriate. • First aid boxes shall be kept in site vehicles and site supervisor's vehicles. Hospital A&E location map included in job pack and provided at induction.	4	5	20	Site Supervisor
	Plant and Tools: (Striking / Damaging live underground services)	Electrocution or severe burns, arc flash or explosion, power outages. Flooding	• Refer to clear legible utility plans. Remember LV and HV cables may be shown on separate plans. • Never assume depth of any service. • Isolate and remove all services prior to demolition • Use location equipment at regular intervals. • Clearly mark the route of all identified services by using waterproof crayon, chalk, or paint on paved surfaces (biodegradable), and erase markings after the excavation work has been completed. Use wooden pegs on grassed or un-surfaced areas.	5	5	25	Site Supervisor

Hazard category	Identified Hazard	Associated Risks	Control Measure	Risk Rating with Controls L x S			Person responsible for methods of monitoring control measure
			Mechanical excavators and handheld power tools must not be used within 0.5m / 500mm of any service. Hand dig with shovels/spades, within 0.5m of any service. Do not fork or picks. Excavate alongside service finally exposing service by horizontal digging.				
	Working near to and or around 360 Excavator	- Striking of person(s) when moving, particularly when reversing - Entrapment of person(s) between fixed structure and/or vehicle Striking of person(s) when working; bucket or other attachment striking or crushing or inadvertently falling.	- Establish exclusion within the site. - Banks person to control site movements of excavator and to ensure exclusion zone is maintained. - Ensure good visibility for any excavation operation, ensure chosen excavator provides good visibility for the operator. - Ensure the excavator operator has the required skills, training, experience, and information for the task. - Ensure the excavator is free from defects and carry out pre use checks. - Ensure excavator attachments are free from defects and pre use checks are carried out. - Banks person in place to control access and egress of excavator. Ensure beacon and or hazard lights are used when excavator is in operation	4	5	20	Site Supervisor
	Working at Height – Falling from Height	Accident/Injuries	- Ladders are to be secured into place prior to use - Carry out ladder checks before use	3	3	9	Site Supervisor

Hazard category	Identified Hazard	Associated Risks	Control Measure	Risk Rating with Controls L x S			Person responsible for methods of monitoring control measure
			- Ladder to be tied in or footed prior to being used - Steps are to be placed on firm level ground . - If fall arrest systems are to be used all Fall arrest system to be maintained, tested, and inspected in accordance with LOLER & PUWER regulation if applicable.				
	Spillage of fuels, oils, and other hazardous substances	Toxic fumes, chemical burns, carcinogenic substances can lead to serious diseases. Explosions, fire. Contamination to soil, water courses, wildlife.	- Hazardous substances to be stored in line with manufacturers guidelines. - Oil to be stored in line with Control of Pollution (Oil Storage) Regulations. - All plant to be stored over drip trays - Drip trays to be used for refuelling and must not take place near drains or watercourses. - Plant nappies and spill kit to always be on hand when plant in use Any spills to be cleaned up with a spill kit immediately	3	2	6	Site Supervisor
	Waste	Vermin & pests. Ground contamination, air pollution. Fire hazards. Slips, trips & falls.	Segregation of waste, suitable waste skip to be used for temporary storage. Waste disposal Carrier license checked. Waste removed promptly from site Hazardous waste removed by licenced contractor only.	3	2	6	Site Supervisor

Hazard category	Identified Hazard	Associated Risks	Control Measure	Risk Rating with Controls L x S			Person responsible for methods of monitoring control measure
	Flying debris/falling materials	Injury from broken concrete, bricks or metal	- Operators to work carefully, -avoid throwing materials, - Use guarding /barriers where needed - PPE: eye and head protection mandatory - Clear are before breaking operations. - Good house keeping at all times - Exclusion zone in place before demolition takes place	4	3	12	Site Supervisor
	Dust generation	Respiratory irritation, long term lung damage	- Water suppression/misting during breaking - RPE mandatory where possible - Regular cleaning of site & access routes	3	3	12	Site Supervisor
	Weil's Disease	All work activities that may bring employees into contact with infected urine or contaminated water, such as sewers, ditches, ponds and slow running rivers.	- If possible, avoid areas where vermin (rats, pigeons, mice, bats etc.) are or have been present. Do not attempt to touch vermin. - Cover all cuts and broken skin with waterproof plasters before and during work. - Follow good hygiene practices. Keep vaccinations up to date. - Consider specialized cleaning where appropriate. - Always wash hands prior to eating, drinking or smoking. Always wear appropriate Personal Protective Equipment and Respiratory Protective Equipment.	3	5	15	Site Supervisor

Hazard category	Identified Hazard	Associated Risks	Control Measure	Risk Rating with Controls L x S			Person responsible for methods of monitoring control measure
			- If Flulike symptoms appear a few of days after working in an area where vermin were seen or suspected. Seek medical advice. - Carry and refer to Weil's disease hygiene card where appropriate				
	Public Interface	Uncontrolled access, lack of awareness, potential hazards like water, heavy machinery or site debris.	• All operatives to be briefed about risks of working in area. • Site to be secured with deigned timber hoarding and proprietary Heras fencing.	3	4	12	Site Supervisor
	Hand Arm Vibration	Nerve damage, circulatory disorders and musculoskeletal conditions.	• Keep exposure below the ELV. • Alternative work methods to reduce exposure. • Effective maintenance program for equipment that can produce vibrations. • Limit the duration and intensity of exposure to vibrations. Monitor individual exposer time.	3	4	12	Site Supervisor
	Sharps	Transmission of infectious diseases, Physical injury, infection, psychological impact.	• The area will be checked for sharps. • Sharps to be identified and removed by a competent person. The relevant landowner will be informed.	3	4	12	Site Supervisor
	Falling objects	Injury to workers or by standers. Spinal & musculoskeletal injuries, property damage. Psychological impact.	• Exclusion zones to be established around working area. • Correct PPE to be always worn. Tools to be tethered where possible.	3	4	12	Site Supervisor

Hazard category	Identified Hazard	Associated Risks	Control Measure	Risk Rating with Controls L x S			Person responsible for methods of monitoring control measure
	Noise	Hearing loss, Tinnitus, increased stress, sleep disturbances, cardiovascular problems.	- All equipment and plant available for use on site should be regularly inspected and maintained to a good standard. - Using quieter equipment or conducting a different method that may not require the use of the equipment as much. - Limit the time workforce spend using the equipment or being around noisy environment.	3	2	6	Site Supervisor

Anything above a rating of 6 must have additional control measures considered.

Date:	29.05.26	Risk Assessment			
Rev:	1	Activity:	Demolition of SPS	Assessed By:	James Cavill
Location:	Three Mile Cross, Basingstoke Road, Reading, RG7 1A	Contract Number:	FA1594 LOT4	Department: DSMP	
Brief Description of the Work: Demolition of the existing decommissioned SPS building, including associated minor structures and foundations. The Services to be carried out whilst maintaining continuous service in the network.					

Document Ref: MGW-FM-T-EMS-0023	Demolition of existing Sewage Pumping Station.
MWS -RAMS L887 Three Mile Cross (Demolition of existing SPS) (Rev02)LEVEL 4 Records and Forms	Page 22 of 23
Date: 08/12/24	Version 1.0

Likelihood:		Severity:	
5	Very Likely	5	Fatality
4	Likely	4	Major Injury
3	Probable	3	Moderate Injury
2	Possible	2	Minor Injury
1	Very Unlikely	1	No Injury

Likelihood (L)	5	10	15	20	25
	4	8	12	16	20
	3	6	9	12	15
	2	4	6	8	10
	1	2	3	4	5
	Severity (S)				