

Data Sheet Name:

File Name: Escape Water Management Plan.

Escape Water Management Plan

Contract Number: 1940

Contract Title: Glossop Fire Station

Location Address: Glossop Fire Station
Whitfield Park,
Glossop,
SK13 8LG

Document Status

All reviews, updates and amendments are to be undertaken by personnel listed below:

Joe Charles– Contracts Manager

Ellis Boyall – Site Manager

Stephen Hallam – Quantity Surveyor

Revision Number	Revision Update Reason	Prepared By	Project/Site Manager Acceptance	Date
0	Initial Issue	Ellis Boyall	Site Manager	24/02/2025

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Introduction & Aim

The purpose of this Escape of Water Management Plan (EWMP) is to outline the measures and procedures for managing water-related risks associated with the demolition of the existing Glossop Fire Station and the subsequent construction of a new facility on the site. This plan aims to ensure that potential water escapes are prevented, any water-related incidents are managed promptly, and the risks to surrounding properties and the environment are minimised.

Preconstruction Information

Part 1A – Description Of The Project

Is the project notifiable to the HSE?		✓	
If yes, give the date the F10 was submitted to the HSE		TBA	
Project Title	Glossop Fire Station		
Project Address	Glossop Fire Station, Whitfield Park, Glossop SK13 8LG		
Give a description of the project and main works:	A new temporary appliance bay will be constructed to ensure the continuous operation of the fire service. Following this, demolition of the existing fire station and outbuildings will take place. Subsequently, a new fire station and outbuildings will be built. The project will involve various construction activities, including driven piles, a raft slab, a structural steel frame, brickwork, rendering, a lift installation, and general fit-out works. The external works will include surface water and foul drainage systems, a water storage tank, a fuel storage tank, an attenuation system, bituminous surfacing, a bypass petrol separator, and soft landscaping		
Programme Of Works	Start Date:	17 th March 2025	Completion Date: 16 th March 2025
Minimum number of actual working weeks allowed to plan and prepare for construction of the project between the Principal Contractor appointment and contract award and the project start date:			50 Weeks
Number of actual working days required to complete the project: A project becomes notifiable when it lasts longer than 30 days and has more than 20 workers working simultaneously at any one point OR exceeds 500 person days.			253 days
Give the maximum anticipated number of persons working with the construction/project team at any one time to build the project, including managers, supervisors and operatives usually based at the work site:			45
Clearly state if the structure is to be used as a 'place of work' subject to the provisions of the Workplace (HS&W) Regulations 1992			Yes
Davlyn Construction On-site Contact:	Name: Ellis Boyall Tel: 07852 202 087 Email: ellis.boyall@davlynconstruction.co.uk		

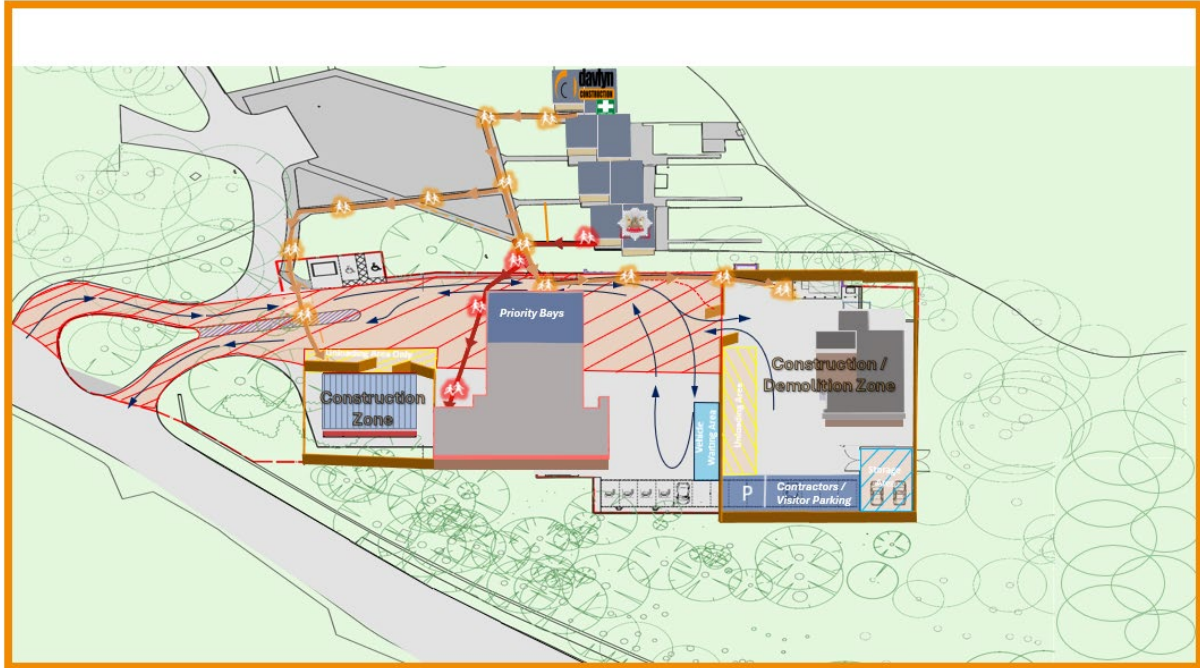
Preconstruction Information

Part 1A – Location Of The Project



Site Plans

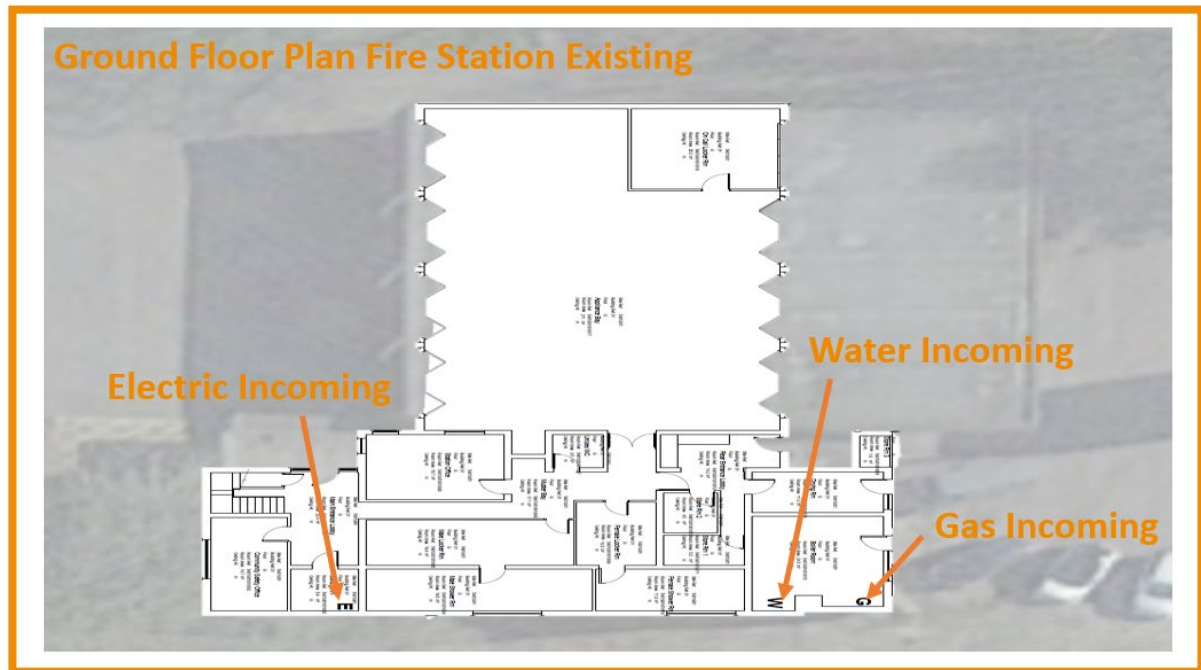
Temporary Appliance Bay construction and Smoke House demolition.



Fire Station demolition and construction works.



Existing Fire Station Services Locations



Preconstruction Information

Part 1B – Project Duty Holders and Contact Details

Role	Contact Name / Company	Contact Details
Client: To make suitable arrangements for managing the project, including sufficient time for pre-construction information, appoint a principal designer.	Derbyshire Fire and Rescue Service	T: 0300 122 8934 A: Butterley Hall, Ripley, Derbyshire, DE5 3RS
	Derbyshire Fire and Rescue Service	Robert Wood T: 0300 122 8934 E: RAWood@Derbys-Fire.Gov.UK
Cost Consultant: A cost consultant, also known as a quantity surveyor, is a professional who manages and advises on the cost of a construction project.	Derbyshire Fire and Rescue Service	Paul Burrow T: 0300 122 8934 E: A: Butterley Hall, Ripley, Derbyshire, DE5 3RS
	Derbyshire Fire and Rescue Service	Steve Wild T: 0300 122 8934 E: A: Butterley Hall, Ripley, Derbyshire, DE5 3RS
Clerk Of Works: A clerk of works (CoW) is a professional responsible for overseeing construction projects, ensuring they comply with quality standards, specifications, and safety regulations. They work for the client or architect at construction sites	Derbyshire Fire and Rescue Service	Sean Heenan T: 0300 122 8934 E: A: Butterley Hall, Ripley, Derbyshire, DE5 3RS
	Derbyshire Fire and Rescue Service	Sean Heenan T: 0300 122 8934 E: A: Butterley Hall, Ripley, Derbyshire, DE5 3RS
Employers Agent: Is responsible for supervising construction work on behalf of the client. They ensure the project is completed within the stipulated time and budget	Make Consulting	Martin Hodge T: 0115 753 0091 E: martin.hodge@make-consulting.co.uk A: Lugano (Ground Floor), Lake View Drive, Sherwood Business Park, Nottingham, NG15 0ED

Principal Designer:

Responsibilities include managing, monitoring and coordinating during the pre-construction phase, considering the principles of prevention, liaising with the Principal Contractor, and working with other designers to reduce risk.

James Totty
Partnership

Graham Normington

T: 0114 270 0208

E: grahamnormington@jamestotty-partnership.co.uk

A: 38 Wilkinson Street, Sheffield, S10 2GB

Architect:

Architects design new construction projects, as well as alterations and redevelopments. They apply their specialised knowledge of construction and advanced drawing skills to create buildings that are functional, safe, sustainable, and visually appealing. Architects remain involved throughout the construction process, adapting their plans as necessary to accommodate budget constraints, environmental factors, and client needs.

James Totty
Partnership

Ben Neves

T: 0114 270 0208

E: benneves@jamestotty-partnership.co.uk

A: 38 Wilkinson Street, Sheffield, S10 2GB

Construction Design Manager (CDM):

The job is to plan, manage, and monitor the construction phase of a project involving more than one contractor. In particular, they coordinate matters relating to health and safety during the construction and breakdown of structures.

James Totty
Partnership

Ben Neves

T: 0114 270 0208

E: benneves@jamestotty-partnership.co.uk

A: 38 Wilkinson Street, Sheffield, S10 2GB

Structural Engineer:

Design structures to withstand stresses and pressures imposed by environmental conditions and human use. Ensuring that buildings and other structures do not deflect, rotate, vibrate excessively, or collapse and remain stable and secure throughout use.

DYSE Structural
Engineers

Jonny Yusuf

T: 0161 278 9072

E: jonny.yusuf@dyse.com

A: First Floor, 79 Thomas Street, Manchester, M4 1LQ

DYSE Structural
Engineers

Jake Billington

T: 0161 278 9072

E: jonny.yusuf@dyse.com

A: First Floor, 79 Thomas Street, Manchester, M4 1LQ

DYSE Structural
Engineers

Alasdair MacKellar

T: 0161 278 9072

E: jonny.yusuf@dyse.com

A: First Floor, 79 Thomas Street, Manchester, M4 1LQ

Electrical Consultant/Designer:

Ensure that electrical systems are designed, installed, and tested in compliance with safety standards, electrical codes, and project specifications.

Engineering Services
Design Limited

Michael Kelshaw

T: 0161 694 4560

E:

A: No. 3 BROOKLANDS PLACE,
BROOKLANDS ROAD, SALE, M33 3SD

Mechanical Consultant/Designer:

Involves design, layout and specification preparation for ventilation air conditioning systems, external and internal gas and oil distribution systems, and providing domestic hot water services distribution and plant layouts.

Engineering Services
Design Limited

Michael Kelshaw

T: 0161 694 4560

E:

A: No. 3 BROOKLANDS PLACE,
BROOKLANDS ROAD, SALE, M33 3SD

Principal Contractor:

Responsibilities include ensuring compliance with CDM regulations, including planning, managing, and monitoring the construction phase, undertaking site inductions, security, coordinating contractors, and consulting and engaging with the workforce.

Davlyn Construction
Limited

Davlyn Construction Limited

T: 01332 345 554

A: Sir Francis Ley Industrial Park
Shaftesbury Street
Derby, DE23 8XA

Company HSE & Quality Director:

Responsibilities include the overall HSE of the Company, periodically reviewing performance to ensure the effectiveness of HSE, and quality meeting the required standards.

Davlyn Construction
Limited

Joe Charles

T: 01332 345 554

E: joe.charles@davlynconstruction.co.uk

A: Sir Francis Ley Industrial Park
Shaftesbury Street
Derby, DE23 8XA

Davlyn Contracts Manager:

Responsibilities include planning and organisation of the work, identifying any training required, and overseeing the project in relation to HSE and quality matters.

Davlyn Construction
Limited

Joe Charles

T: 01332 345 554

E: joe.charles@davlynconstruction.co.uk

A: Sir Francis Ley Industrial Park
Shaftesbury Street
Derby, DE23 8XA

Davlyn Site Manager:

Responsibilities include ensuring the day-to-day safe running of the site, including adherence by all persons on-site to HSE & Q requirements, also taking action to rectify any breaches of HSE & Q

Davlyn Construction
Limited

Ellis Boyall

T: 07852 202 087

E: ellis.boyall@davlynconstruction.co.uk

A: Based On Site

Davlyn Quantity Surveyor:

Responsibilities include ensuring the employment of competent, evaluated sub-contractors in line With QSE procedures.

Davlyn Construction
Limited

Stephen Hallam

T: 01332 345 554

E: stephen.hallam@davlynconstruction.co.uk

A: Sir Francis Ley Industrial Park
Shaftesbury Street
Derby, DE23 8XA

All Sub-Contractors

Responsibilities include planning, managing, and monitoring work carried out under their control, ensuring the necessary controls for health and safety are implemented, Supervise the work, Comply with the principal contractors' and clients' policies and bring any concerns to their attention.

A complete list of appointed contractors and contact details is held by the Site Manager

Preamble

This Plan shall be constantly reviewed as the work progresses to identify any required amendments and any further precautions that might be necessary to ensure that the escape of water strategy is maintained at all times. This Plan should be read in conjunction with our Company Health and Safety Policy, Procedures, and Arrangements.

Notification of the Project in the form of an F10 will be issued to the HSE by the Client or another nominated duty holder should it fall within the trigger criteria as defined within the Construction (Design & Management) Regulations 2015

CDM Guidance L144 (Managing Health & Safety in Construction) details the main responsibilities of CDM duty holders. Please refer to the document when planning and/or executing construction works.

History

The site is located approximately 0.6 miles south of Glossop Town Centre and is centered on the National Grid Reference 53°26'06"N 1°57'00"W. Covering an area of about 0.44 hectares, the site has a roughly rectangular shape.

It currently houses a masonry-built fire station, which includes a drill tower and fire engine garages. The fire station was built in 1972 and has been in operation at this location ever since.

Risk Assessment

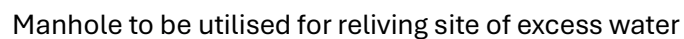
Identify potential water-related risks during both the demolition and construction phases.

Details:	Demolition Phase Risks: - Accidental water release from existing plumbing systems. - Surface water runoff from exposed areas. - Groundwater infiltration during excavation works. - Welfare facilities not correctly discharging Construction Phase Risks: - Flooding during heavy rainfall due to inadequate drainage management. - Water ingress during foundation works or due to equipment failure. - Contamination of water supplies from construction materials or site runoff. - Welfare facilities not correctly discharging
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Mitigation Measures

Outline the preventative measures to manage the risks identified in the assessment.

Details:	During Demolition: - Isolation of water supplies: Ensure that all water systems (e.g., pipes, tanks) are isolated before demolition work begins to prevent accidental leaks. - Site drainage: Maintain a temporary drainage system to manage rainwater runoff and prevent flooding. Ensure all surface water is directed away from open excavations. - Water leak detection: Regularly inspect the site for leaks during demolition. Implement emergency shut-off valves in case of unanticipated water escapes. During Construction: - Temporary drainage systems: Use of submersible pumps around excavation areas to manage water inflow and prevent flooding. Water is to be redirected into a manhole. - Rainwater management: Ensure there are sufficient measures in place to capture and direct rainwater safely off-site, especially during wet weather. - Spill containment: Set up spill containment systems to prevent hazardous substances from contaminating local water supplies.
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Responsibilities

Define who is responsible for overseeing and implementing the water management plan.

Details:
- Site Manager: Responsible for ensuring that all water management procedures are followed during both demolition and construction phases. - Health and Safety Officer: Responsible for monitoring water-related safety issues and ensuring compliance with relevant regulations. - Contractors: Responsible for implementing the specific mitigation measures in their respective areas of work (e.g., drainage installation, site preparation).

Monitoring and Inspections

Establish a system for ongoing monitoring and regular inspections of the site.

Details:

- Daily Inspections: Conduct daily inspections of drainage systems, water management practices, and the overall site for any potential water-related issues.
- Weekly Reports: Provide weekly reports detailing the water management activities, any incidents, and corrective actions taken.
- Weather Monitoring: Monitor weather forecasts to prepare for heavy rainfall or other extreme weather conditions that could increase water-related risks.

Emergency Response Plan

Outline procedures for responding to a water escape or flood event.
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Details:	Immediate Response: - Activate the emergency shut-off valves to stop any water flow. - Evacuate personnel from affected areas. - Alert local authorities if necessary, such as emergency services or environmental agencies. Containment Measures: - Deploy temporary barriers or absorbent materials to contain water and prevent further spread. - Use pumps to remove excess water from flooded areas. Post-Incident Actions: - Assess the cause of the water escape and implement corrective measures. - Report the incident to relevant authorities and ensure any environmental damage is mitigated.
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Communication

Describe how information will be communicated to all stakeholders involved in the project.

Details:	Internal Communication: - Regular briefings with the project team to discuss water management procedures and any changes to the plan. External Communication: - Keep the local community and surrounding businesses informed about potential risks, disruptions, and the overall water management strategy during both demolition and construction.
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Documentation and Record-Keeping

Ensure proper documentation of all activities and incidents.

Details:	- Maintain a log of all inspections, maintenance actions, and water-related incidents. - Keep records of any emergency response actions taken and subsequent investigations or corrective actions.
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