

ALUN GRIFFITHS (CONTRACTORS) LIMITED

PROJECT: Barmouth Viaduct Gardens

METHOD STATEMENT NO. 001

SUBJECT: Construction Method Statement

Originated by: Iwan Pritchard Date: 05/08/24	Construction Approval: Date:			Environmental Approval: Date:			General Foreman Approval: Date:		
P.M. Acceptance: Date:				Work to commence Approval: Date:					
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0									
1									
2									
		AGCL			Clients (Representative			Other	
Distribution:	Project Manager	Site Agent	General Foreman	Site Copy	Project Manager.	Supervisor		H & S File	

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1.0 Introduction

This document provides the procedure and methodology that is to be followed whilst constructing the Barmouth Viaduct Gardens project. Further details will be included within RAMS documents for individual tasks as the works progress.

2.0 Responsibilities

Project Team Member			Method Statement [MS] Responsibilities
Name	Role	Mobile	
Owain Thomas	Regional Director (AGCL)	07966318184	Allocation of appropriate resources Appointment of suitable Subcontractors Delegation of supervision Monitoring progress and KPI
Iwan Pritchard	Project Manager (AGCL)	07966387813	Allocation of appropriate resources Appointment of suitable Subcontractors Delegation of supervision Monitoring progress and KPI
Llion Davies	Site Agent	07812 003060	Procurement of materials. Supervision of works, including Safety, Quality, CEMP & management of subcontractors Site inductions
Dai Jones	Works Manager	07515 619241	Planning & use of resources Allocation and overall supervision of works Issue Work Permits Monitor safety & other aspects of the project IMP
Ceri Jones	Site Engineer	07850 642121	Setting out Assisting Site Agent Compilation of all records ITP/ QA
Peter Roberts	SHEQ Advisor (AGCL)	07812249479	Review Methods of Work & give advice Site inductions Audit works: safety, quality & CEMP

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3.0 Method/Procedure

Prior to commencing the works:

- Site induction of all personnel associated with the works.
- Driver flash card instructions for any delivery drivers arriving to site.
- Carry out a briefing to all employees associated with the work.
- AGC engineer to mark out extent of works area.
- AGC to carry out topographic survey of area prior to stripping topsoil.
- CAT scan area of excavation. Clearly marking out all existing services, (above and below ground) providing protection as necessary. Permit where identified.
- Ensure that GS6 'Goal Post' have been erected under any overhead services.
- Carry out trial holes to identify all existing underground services in area of excavation.
- AGCL engineer to issue permit to excavate/proceed clearly explaining locations of all services present.
- All excavation works are to be carried out under Archaeological supervision by GAT
- Carry out method explanation to all employees associated with the work.
- Ensure Marine Licence and F10 is in place.

Tidal and beach working procedures:

When working on a tidal beach with excavators and large dump trucks, it's crucial to implement several mitigation measures to ensure safety, environmental protection, and operational efficiency. Here's a breakdown of what we will have in place as mitigation measures:

- Emergency Rescue Plan: Procedures for dealing with people or equipment getting stuck or stranded by the tide, including quick evacuation routes and safe zones.
- Rescue Equipment: Equip the site with life-saving equipment like life vests, ropes, flotation devices, and potentially towing equipment if the risk of water exposure is significant.
- First Aid Kits: Ensure that well-stocked first aid kits are readily available, along with personnel trained in first aid.
- Communication: Establish a communication system (radios, mobile phones) with backups to maintain contact with all operators and crew, especially those working near the waterline.
- Tidal Charts: Display up-to-date tidal charts prominently, and ensure all workers are aware of tidal schedules.
- Tide Monitors: Assign personnel to monitor tide changes and weather conditions, with authority to halt operations if the tide becomes hazardous.
- Training: Provide specific training to all operators on the risks associated with tides, quicksand, and the potential for rapid water level changes.
- Inspection: Regularly inspect vehicles and machinery for proper functioning, especially brakes and emergency systems.
- Movement Plans: Develop a movement plan that outlines safe operating zones for vehicles, avoiding areas prone to flooding or unstable ground.
- Anchoring: In areas prone to soft sand or mud, have a plan to secure machinery against sinking or tipping over.
- Minimize Disturbance: Limit the footprint of the work area and avoid disturbing natural vegetation as much as possible.
- Vehicle Wash-Down: Implement wash-down facilities for vehicles leaving the site to prevent the spread of invasive species and minimize offsite sediment transport.

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- **Spill Kits:** Place spill response kits near all working areas to handle any oil, fuel, or hydraulic fluid spills quickly.
- **Containment:** Use drip trays or containment areas under stationary machinery to catch leaks.
- **Waste Management:** Implement a waste management plan that includes proper disposal of all debris and potential pollutants.
- **Wildlife Monitoring:** Have environmental monitors assess and document any local wildlife, especially sensitive species.
- **Buffer Zones:** Establish buffer zones around any sensitive habitats identified.
- **Work During Low Tide:** Schedule heavy machinery operations during low tide periods to minimize the risk of flooding and provide a stable work surface.
- **Weather Considerations:** Continuously monitor weather forecasts for storms or high waves that could affect the safety and stability of the working area.
- **Access Routes:** Design and mark safe access routes for vehicles and personnel, ensuring they are above the high-tide line and avoid environmentally sensitive areas.

Construction Work:

Site setup

The site compound will be located on the Southern Side of the Main Car Park. Access to and from site will be along the main road. However a height restriction of 10' 3" is in place on the railway bridge. Vehicles higher than this will have to access to and from site along Beach Road.



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Site Clearance

Clearance of furniture and vegetation from the garden area. Arisings will be taken off site and furniture stored in the compound for reuse if required.

Drainage North Side

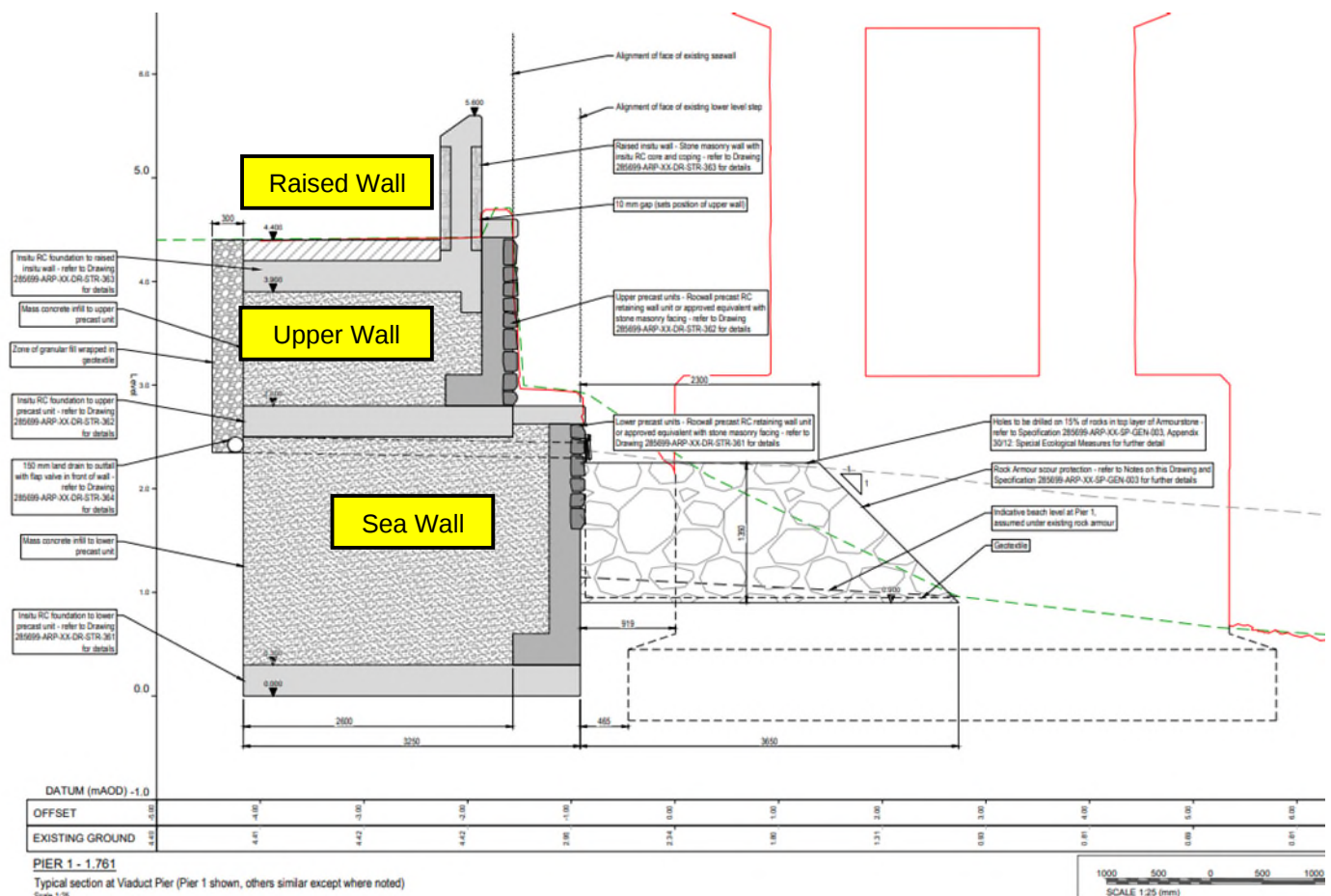
One of the first activities on the programme is to install TM and carry out drainage on the North Side. This will include the chambers and pipework.

Sea Walls

The sea wall construction will be split into 3 phases.

1. Sea Wall
2. Upper wall
3. Raised Wall

The drawing below illustrates the 3 phases.

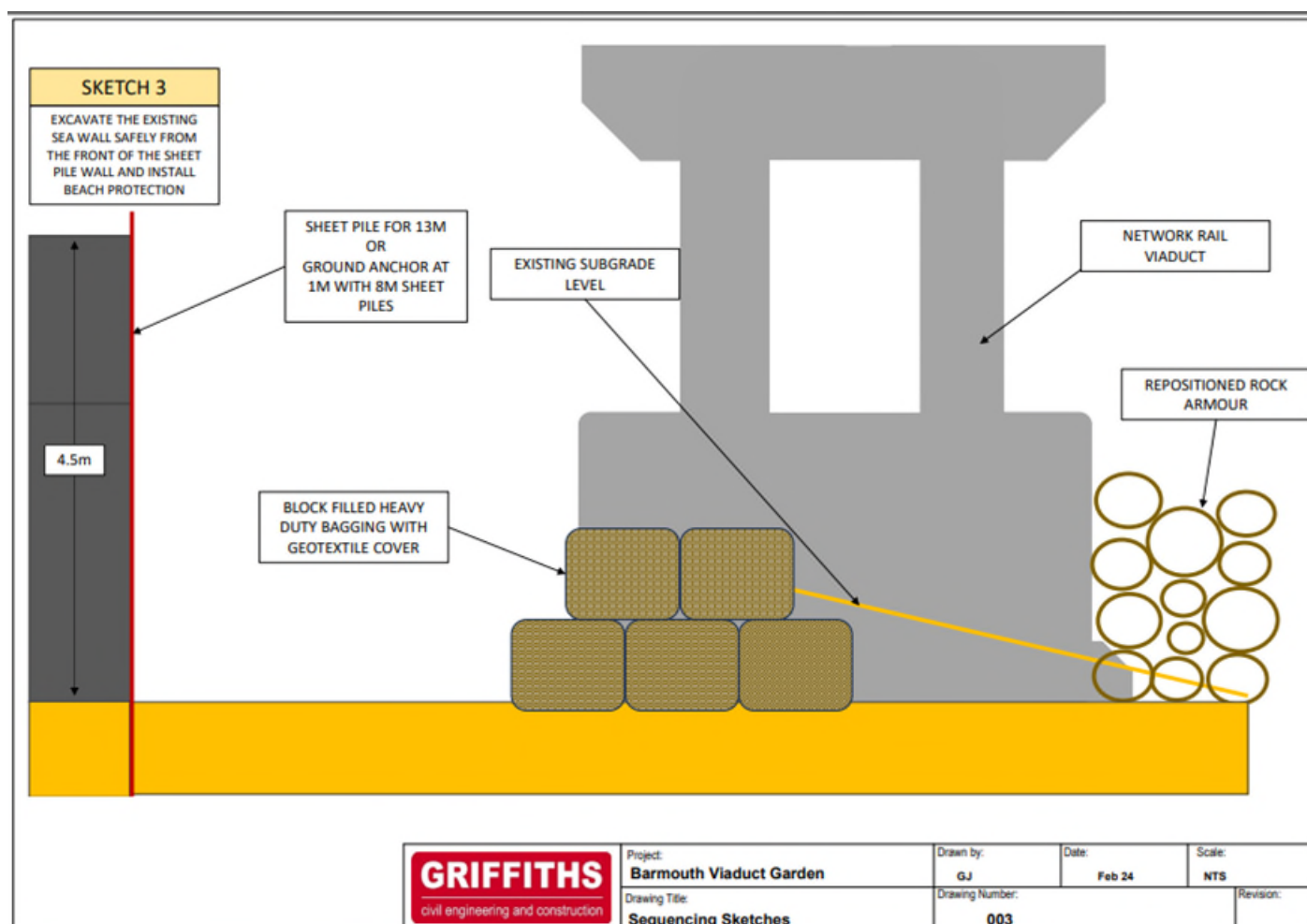


1. Sea Wall

The works will be undertaken following this sequence:

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- Construct a piling mat in the garden area
- Install sheet piles behind the existing wall following installation method approval from all statutory undertakers.
- Remove all of the rock armour that sits in front of the existing wall, this will remain on the beach positioned just outside our work area. Work within the intertidal zone will be timed with the tide, charts will be produced on a monthly basis showing access and exit time on and off the beach. Mitigation measures are detailed above. Access to and from the work area will be via the slip road marked on the Traffic Management Plan above.
- Dumpy bags will be placed in front of the existing wall to help protect the work area. This arrangement is shown on the sketch below.



- When in place the existing wall can be demolished and the ground excavated to 0.0m AOD. Excavated material to be taken off the beach and stored in a stockpile in the compound ready to be carted away.
- In order to keep the work area dry at low tide we will set up pumps, water will be pumped out from the working area and discharged onto the beach.

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- 300mm thick RC Concrete foundation can then be constructed. Materials for this will be transported along the beach with some items, such as concrete lowered into the excavation from the garden area. The foundations will be constructed in bays so that each bay can be constructed within a tidal shift.
- When all of the bays have been concreted the precast wall units can be installed. These will be lifted in by a crane positioned within the Gardens area. Once in position and line and level agreed they will be fixed into position. Process repeated until the wall is complete. Between the male and female end of the precast there will be a Tocstrip seal to help prevent water ingress.
- Wall will be backfilled with mass concrete. Concrete pump will be positioned in the gardens area and pump the concrete into the void between the sheet piles and the new precast walls. The seals between the precast units will help ensure that no concrete is spilled outside of the working area.
- The sand bags can now be removed and the rock armour reinstated.

2.Upper Walls

- This area of work is above the MHWS level of 2.560m therefore in normal conditions tidal working wont be required. However we will still monitor the weather and tide levels as this level could increase in certain conditions.
- On top of the mass fill of the lower wall a 300mm thick RC Concrete foundation can be constructed. The foundations will be constructed in bays so that each bay can be constructed within a tidal shift. All of the materials required for this operation will be transported to the work area via the Gardens.
- When all of the bays have been concreted the precast wall units can be installed. These will be lifted in by a crane positioned within the Gardens area. Once in position and line and level agreed they will be fixed into position. Process repeated until the wall is complete. Between the male and female end of the precast there will be a Tocstrip seal to help prevent water ingress.
- Install land drain between mass and sheet piles and backfill with granular fill
- Wall will be backfilled with mass concrete up to 3.9m AOD. Concrete pump will be positioned in the gardens area and pump the concrete into the void between the sheet piles and the new precast walls.

3.Raised Walls

- The raised wall will be constructed insitu. All of the materials required for this operation will be transported to the work area via the Gardens. However a scaffold will be required, this will be positioned on top of the ledge of the lower sea wall, above the MHWS level of 2.560m.
- Construct concrete base up to wall kicker level – blinding, reinforcement, formwork and concrete.
- Construct concrete wall – Reinforcement, formwork and concrete and masonry clad.

Pumping Station

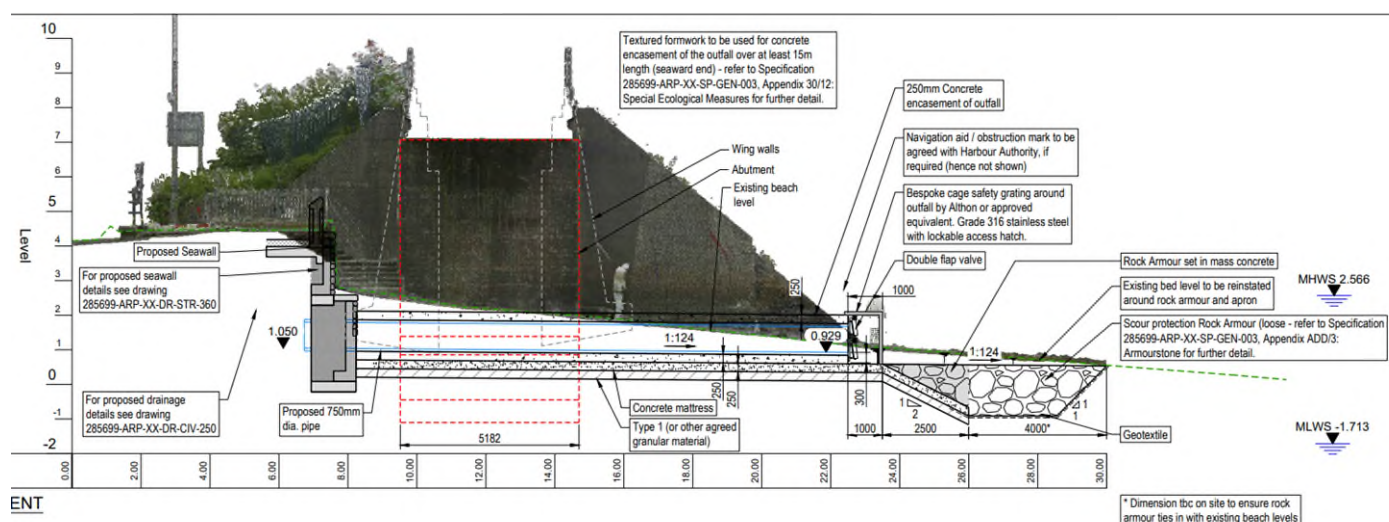
- Excavate footprint of the new underground pumping station and install sheet piles and frames. Looking like we will require 5m trench sheet for this work. When the temporary works is installed the pumping station can be excavated down to level. Excavated material to be carted off site.
- Ground water management – 4" sub pump to discharge through a Siltbuster to an approved discharge point.

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- Construct chamber. Insitu concrete - Reinforcement, formwork and concrete. Concrete pump and lifting equipment will be positioned in the Garden for this activity.
- Backfill once the concrete has cured
- Install kiosk base
- M&E inside the kiosk and chamber by others.

Outfall pipe on the beach

- Work within the intertidal zone will be timed with the tide, charts will be produced on a monthly basis showing access and exit time on and off the beach. Mitigation measures are detailed above. Access to and from the work area will be via the slip road marked on the Traffic Management Plan above.



- Install concrete canvas
- Install scour protection. Excavated material to be removed from the beach, new rock armour to be transported to the area by dup trucks which will have been loaded on the shore. Rock armour to be placed with an excavator with a grab attachment.
- Lay the new pipe to the correct line and level onto a new base of sub base and concrete mattress.
- Construct headwall. In order to keep the work area dry at low tide we will set up pumps, water will be pumped out from the working area and discharged onto the beach.
- Concrete foundation can then be constructed. Materials for this will be transported along the beach with some items, such as concrete lowered into the excavation from the garden area. Extra care to be taken when transporting the concrete in the skip and when placing so that no concrete is spilled onto the beach.
- Construct head wall around the pipe.
- Install flap valve, safety grating and navigational aid onto the new outfall. Again, all work in the tidal zone mitigation measures are detailed above.

Setback Wall

- Construction to start after the summer embargo in 2025

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- Set up TM
- Construct piling platform, level to be confirmed.
- Install CFA piles, depth and diameter to be confirmed at later date. Piling rig will be positioned in the garden area, concrete will be delivered to the area as required.
- When the piles have been installed, we will excavate around them to allow them to be cropped at the desired cut off level.
- Pile cropper will be set up on an excavator and redundant top of piles to be taken off site.
- Construct Insitu concrete walls – Reinforcement to be tied to pile started bars, formwork pour concrete. The wall will be constructed in a hit-and-miss method.
- Ancon ties will be cast into the walls to allow the masonry cladding to be tied in.

Floodgates and finishes

The last activities will include installing the flood gate and glass panels as well as the landscaping and street furniture.

4.0 Equipment

A list of required plant is listed below, other plant and equipment may become apparent as the scheme progress.

- CAT and Genny
- Insulated hand tools
- Compound welfare units and stores facility,
- Emergency response items (i.e., spill kits, plant nappies, first aid kits, fire stations and extinguishers etc.).
- Confined space emergency response kit(as stated in the rescue plan)
- Heras fencing and all associated clips and feet etc.
- Tracked Excavator with demolition cab
- Forward Tipping Dumper
- Tench/Manhole Boxes (Temporary works design)
- Trench Sheets / Sheet Piles
- Edge Protection

5.0 COSHH and Environmental

- Diesel/Petrol & oil
- Grease
- Concrete

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- Toilet effluent.
- Spray Paint
- Mould Oil
- All excavated material to be stored adjacent to the excavation, at the minimum distances specified in the Standards 1.5 m then backfilled following surveys etc.
- Disposal of Surplus Materials and waste to be in conformance to the Waste Management Plan
- Noise levels shall be minimised where possible and all works will be within the site working hours.
- Refueling of plant to be carried out in accordance with the most recent approved procedures and away from any water course.
- Spill kits will be positioned on site and an incident response plan put in place.

6.0 PPE Requirements

Mandatory PPE Requirements		
☒ Safety Helmet: (Mandatory) EN397 or EN12492.	☒ Safety Footwear: (Mandatory) EN345.	☒ Hi Visibility Clothing – long sleeve shirt/jacket & trousers (Mandatory) EN471:2003 Class 2 & GO/RT 3279, EN471:2003 Class 1.
☒ Safety Glasses: (Mandatory) EN 166:2001.	☒ Work Gloves: (Mandatory) EN388.	
Task Specific PPE Requirements		
☒ Hearing Protection: Task: working near plant	☒ Harness: Task: drilling, grouting, scaling and devegetation works at height	☒ Fire retardant overalls: Task: Breaking ground
☒ Respiratory Protection/Masks: Task: mixing grout.		

7.0 Emergency Procedures

Any accidents or near misses must be reported to the Site Supervisor. Emergency contact numbers are listed above.

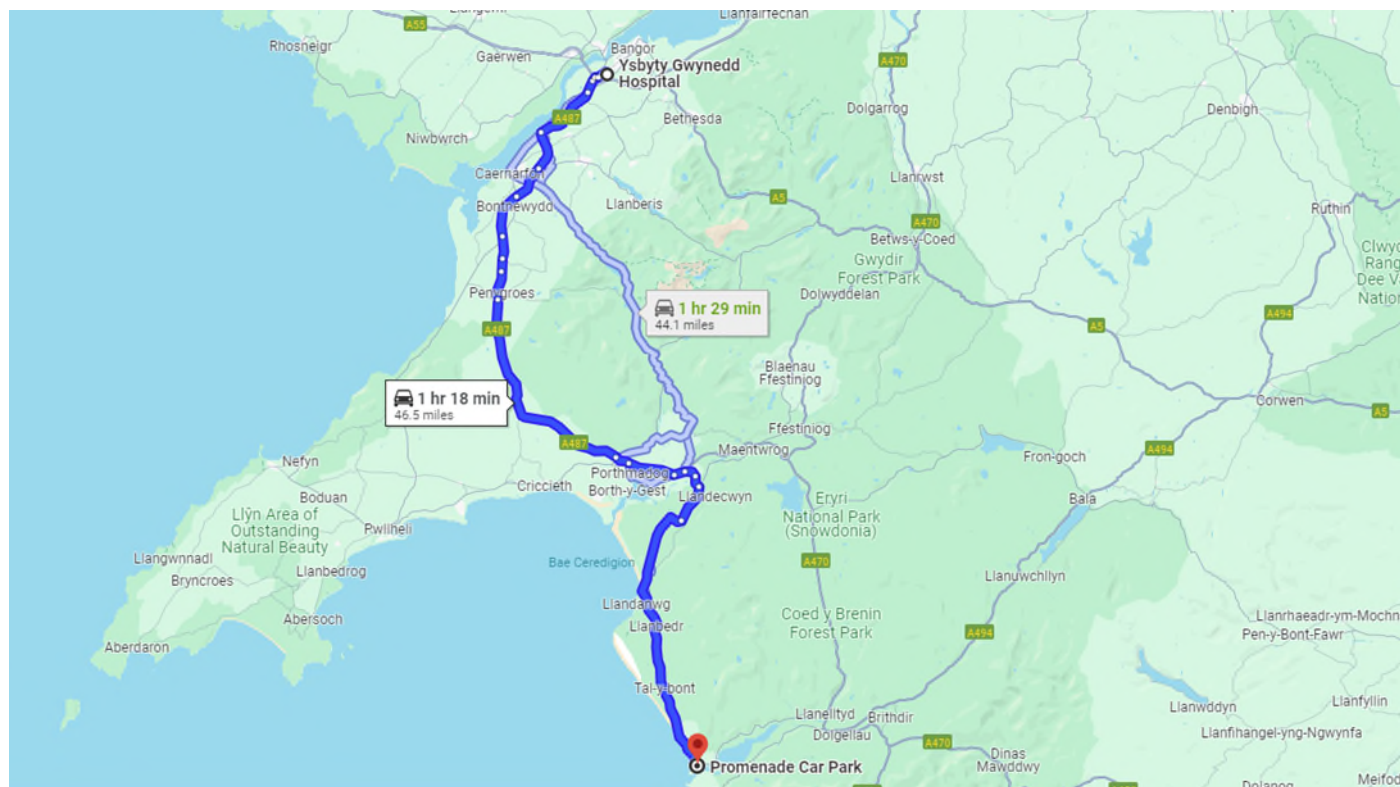
Site address - Church St, Barmouth LL42 1EL

Compound address - The Promenade Car Park, Barmouth LL42 1NF

In the event of a serious incident, site staff shall contact emergency services on 999 and provide location information as outlined above.

Nearest A & E - Ysbyty Gwynedd, Penrhosgarnedd, Bangor LL57 2PW

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8.0 Appendices

- Appendix A: Risk Assessment.
- Appendix B: Exclusion Zones
- Appendix C: MGF Temporary Works Design for sheet piles and frames
- Appendix D: Piling Hammer Manufacturers user Manual
- Appendix E: Method Statement Briefing Form.

APPENDIX A

RISK ASSESSMENT

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Method Statement Name				Method Statement Number: AGMS 007				
Contract:				Contract Number				
Originator Name:				Approval Name:				
Signature:			Date: 13/03/24		Signature:		Date:	
KEY:	L = Likelihood	S = Severity		R = Risk (Likelihood x Severity)				
RISK RANKING:	3= Likely 2= Possible 1= Unlikely	3= Fatality 2= Major Injury 1= Minor Injury		1 to 2 = Acceptable – Use basic control measures (PPE, Supervision, Tool- box talks etc.) 3 to 6 = Significant Risks, further control measures to be applied to reduce results to Acceptable 9 = Critical Risks – Not Acceptable				
Ref No	Task/Element	Potential Hazards	Population at Risk	Risk Rating	Control Measures Specified			Revised Risk Ranking

1	Existing Services – overhead and underground.	Striking Service	Employees	4	4	16	- Suitable sized machine to be selected or / and height restrictor device attached. - Ensure that the GS6 'goal post have been erected to de-mark the restricted area for working beneath overhead lines - Ensure that the area to be excavated is surveyed with CAT and Genny – mark up all services. - Permit to dig to be issued prior to commencing excavation. - If services present locate by hand. Refer to MS-004 to carry out trail holes. Refer to HSG47 document for 'Avoiding Underground Services. All operatives need to be briefed on this document.	1	4	4
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2	Environmental Impact.	Crossing water courses Infilling watercourses pool Emission of noxious gases Emission of noise Use of fossil fuels Increased noise, traffic, dust, mud, light, working hours	Public. Employees. Environmental.	4	4	16	- Careful excavation in good weather conditions - Frequent Vehicle and plant maintenance - Frequent vehicle and plant maintenance. - Noise mitigation methods employed as required. Noise monitoring - Refuel as much as is practical in the yard. - All fuel bowsters to carry adequate spill kit and granules, and funnels. - Refuelling only to be carried out by designated person. - Refuelling not to take place within 30m of a watercourse/drain Observe Traffic Management Plan, Dust management, observe agreed working hours	1	4	4
3	Transportation of Fill & Materials.	Overturning of Plant. Dust pollution. Interface with highway traffic.	Employees Environmental.	4	3	12	- All plant to be operated by trained and competent personnel only (CPCS/NPORS) - All plant to be checked on arrival to site and to hold all necessary test certificates. - Always travel with skip in horizontal position. - Seat belt to be worn at all times. - All plant to be fitted with warning lights on top of their vehicle. - Dust suppression to be used during periods of dry weather. - Site speed limit of 15mph to be adopted - Suitable well maintained haul roads to be constructed between each working area. - Designated route to be used during transportation of material. Plant to be used within their capabilities when travelling / working on uneven or steep ground.	1	3	3

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4	Working Area,	Trips and falls	Employees	3	2	6	• Ensure all walkways are free from trip hazards. • All personnel to wear laced safety footwear • No walking on batters, use designated access routes. Keep access routes clear. • Good housekeeping to be maintained at all times • Park vehicles at suitable location to welfare facility. • Provide suitable fencing, signing and guarding to the working area as necessary. • Use designated/ proper access to enter and exit plant. • Provide edge protection to vertical sides where above 1m drop. Work area to demarcated and appropriately signed	1	2	2
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5	Heavy Plant Movement	Collision of Plant or/ and Operatives.	Employees	3	4	12	- All plant only to be operated by trained and competent personnel (CPSC/NPORS card required) - Full PPE to be worn including high visibility full sleeve and trousers. - All plant to hold all necessary test certificates (check on arrival to site). - All plant to be fitted with and use warning lights on top of their vehicle. - All plant to be fitted with and use audible reversing alarm. - Seat belts to be worn at all times. - Ganger/ Supervisor will agree position for the operation during the activity. Personnel to remain in 'line of sight' of the plant operator at all times. Plant operator must stop immediately when he is not visible at the Safety Zone. - Pre use inspection completed by operative. - Do not use plant if broken or faulty. - Use designated haul roads. Fence off work area	1	4	4
6	Reversing vehicles.	Collision of Plant or/ and pedestrian.	Employees.	1	3	12	- All vehicles to have banksman in attendance when reversing. - The banksman is not to walk along side the wagon when reversing.	1	3	3

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7	Use of substances hazardous to health – Diesel Grease Oil. Concrete	Dermatitis. Environmental Incident. Respiratory issues	Employees. Environmental.	3	3	9	- COSHH briefings to be carried out accordingly and control measures within adhered to. - Spill kit to be available – near the work area. - Operatives to be trained to use spill kit. - Disposal of COSHH related waste in accordance with manufacturer's guidance and site procedures - Wash hands with clean water and soap before eating. - Waterproof gloves for concrete	1	3	3
8	Excavations.	Collapse Open excavation	Employees	4	4	16	- All excavations to be battered or stepped back (When exceeding 1.2m or if conditional demand) - If not possible to batter or step back the excavation, shoring method to be used. - Never enter excavation if possibility of sides to collapse. - Excavation to be inspected prior to entry and periodically in accordance with site procedures - Ensure suitable access and egress. - Install edge protection in form of fencing to prevent vehicles driving into ditch. - Ensure that site perimeter fencing is in place to prevent unauthorised personnel onto site. - Safe working distance for excavator to be agreed with supervisor - Use of trench boxes for excavation of sewer diversion	2	4	6

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9	Lifting operations. Failure of accessories/ boom	Dropped load, Death Damage to property.	Employees	4	4	16	- All lifting equipment will be certified and tested within the last 6 months and will be checked by the slinger prior to use. - Remove all personnel from lifting area. - Ensure safe zone is established by means of physical barrier. - Operatives do not stand or place body parts under suspended loads. - Ensure SWL is not exceeded by adhering to lift plan. - All accessories to comply with Lifting operations and Lifting Equipment regulations. (LOLER). - Trained slinger/signaller to sling and control lifts - Tag lines to be used to guide loads when suspended	1	4	4
10	Lifting	Falling Object/ Load Personnel crushed by load.	Employees	3	4	12	- CPCS qualified banksman to be used to sling loads. - Lift plan to be provided for the lift prepared by a CPCS qualified Appointed person. - Lifting equipment to have a valid test certification, and inspected prior to use. - Plant operator to be competent and CSCS lifting with excavator qualified. - Only lift of flat/ level ground. Ensure that ground is firm.	2	4	8
11	Slips trips and falls caused by uneven, steep, debris or slippery ground conditions.	Muscular Skeletal Injuries. Cuts, Abrasions	Employees	4	3	12	- Supervisor to review access to assigned work areas as work progresses and adopt safe working practices accordingly. - Wear appropriate safety footwear suitable to the task and site condition. - Monitor and maintain good site housekeeping standards.	2	3	6

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13	Material deliveries via public highway	Collision with public highway traffic. Reversing vehicles. Mud on road. Projectiles from vehicle Wheels	Public & Employees.	4	4	16	Ensure Road wagons wheel are inspected prior to entry onto public highway Remove any mud from wheel Ensure that road sweeper is in attendance during operation. All plant to be fitted with warning lights on top of their vehicle. All drivers to receive a driver induction before commencement of task. All vehicles to have banksman in attendance when reversing. Suitable haul roads to be constructed between each working area. Designated route to be used during transportation of material	1	4	4
14	Unauthorised Persons	Collision of Plant and/or pedestrians.	Public.	4	4	16	Works area to be fenced off to prevent unauthorised access. Signs to be erected to notify of ongoing works. Ganger/ banksman to be in attendance at all times, operation to be stopped if unauthorised person in area.	1	4	4
15	Manual handling	Muscular/Skeletal injuries	Employees	3	3	9	Use a mechanical aid where possible Split/share loads where possible Only lift what is comfortable for you as an individual Employ manual handling practices Do not place limbs/digits on crush/pinch zones	1	3	3

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16	Working in plant interface zones (PPIZ)	Collision of Plant and/ or operatives.	Employees	3	4	12	- When the excavator is instructed to stay still, the plant operator must apply the dead man's handle to isolate the machine. - All personnel must at all times vacate the PPIZ if there is no need for that person(s) to be in the zone. - People are only permitted in the PPIZ when the item of plant is moving under the control of the banksman and when conducting low risk movements. - Only personnel who have been briefed on the risks and methodology contained in the RAMS are permitted to access the live PPI Zone - If client supervisors or engineers need to enter the zone ALL plant must be stationary and isolated. - Personnel who are located within the PPIZ must always be in the field of vision of the plant operator. - One banksman to be identified for the operation, he is to control all plant movements within the PPIZ and the plant operators must be instructed to take instructions ONLY from the identified banksman. - Line of sight between the plant operator and banksman must be sustained at all times, if either one cannot see the other the task must stop. - Confirm method of communication before starting the task. If voice communication is used, ensure operator can hear the signals clearly with plant engines running. Cab windows may need to remain open	1	4	4
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17	Mobile plant	Collision of Plant and/ or operatives.	Employees	3	4	12	- All plant only to be operated by trained and competent personnel (CPSC card required) - Full PPE to be worn including high visibility full sleeve and trousers. - All plant to hold all necessary test certificates (check on arrival to site). - All plant to be fitted with and use warning lights on top of their vehicle. - All plant to be fitted with and use audible reversing alarm. - Seat belts to be worn at all times. - Do not use plant if broken or faulty. - Use designated haul roads. - Fence off work area - Do not exceed limits of plant - Ensure terrain is suitable for the item of plant in use	1	4	4

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18	Confined Space Working	Working in a confined space	Employees	3	5	15	Permit to enter to be issued prior to works commencing Test the monitor calibration at the start of each shift Plan in advance, so that arrangements are in place First aid trained operatives to be on site All operatives to be trained and competent in confined space working. All operatives to be physically fit to carry out the operation Gas monitoring to be undertaken before any entry and continual monitoring throughout the works Vent the network prior to entry for a minimum 15 minutes Consider forced ventilation/ extraction If necessary, purge atmosphere before entry	1	5	5
		Emergency Evacuation	Employees	2	5	10	Follow the rescue plan procedures stated in the construction phase plan. Personnel to be briefed and trained on the rescue standards Plan in advance, so that arrangements are in place First aid trained operatives to be on site All operatives to be trained in confined space working. All operatives to be physically fit to carry out the operation Means of raising the alarm must be to hand when entry into a confined spaces occurs	1	4	4
		Manual Handling	Employees	2	5	10	Manual handling assessment form to be completed Use of mechanical lifting where possible	1	4	4
		Working with sewerage	Employees	3	3	9	Mandatory PPE to be worn at all times and task specific PPE to be worn when working with sewerage Refer to COSHH Assessment, maintain good hygiene Impervious gloves and footwear to be used	1	3	3

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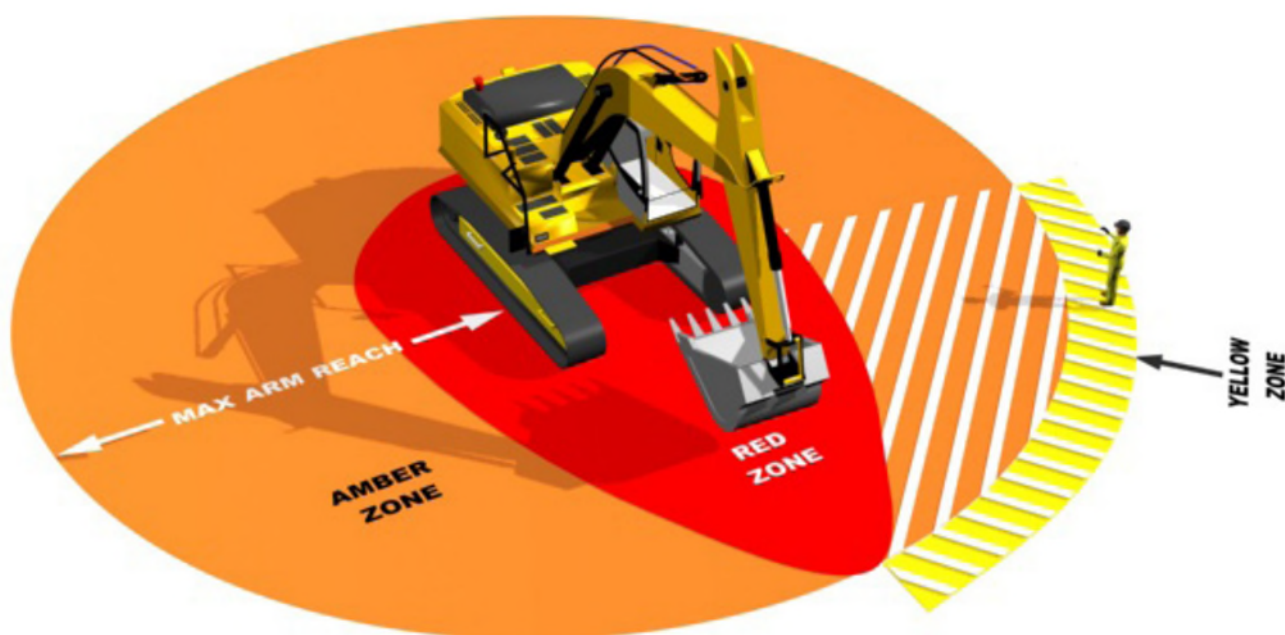
		Loss of Communication	Employees	2	5	10	Communication to be maintained between operative and topman verbally while in a confined space at all times	1	4	4
		Fall from height	Employees	3	3	9	Ensure barriers and signage are erected around the open chamber Open chambers are not to be left unattended at any time Keep access routes around openings clear of obstructions and trip hazards. Operative to be attached to fall arrest line when entering manhole, line to be kept taught. When working during poor lighting periods, introduce additional flood lights or working lights	1	3	3
19	Exposure to vibration from hand held equipment or Plant. (Vibrating poker, Stihl saw)	Vibration related injury HAVS	Employees	4	3	12	- Comply with AGC Vibration Policy and procedures at all times and record HAVS usage. - Consult company hearing and vibration data chart for mechanical/electrical tools to ascertain trigger time information and ppe requirements. - Where practicable limit the amount of time each operative uses equipment i.e. take regular breaks, rotate task and break up with other works. - Equipment is to be maintained serviced, repaired and sharpened on a regular basis to reduce avoidable increase in vibration.	1	3	3

Contract Name:		Sheet No.	
Contract Number:		Date:	

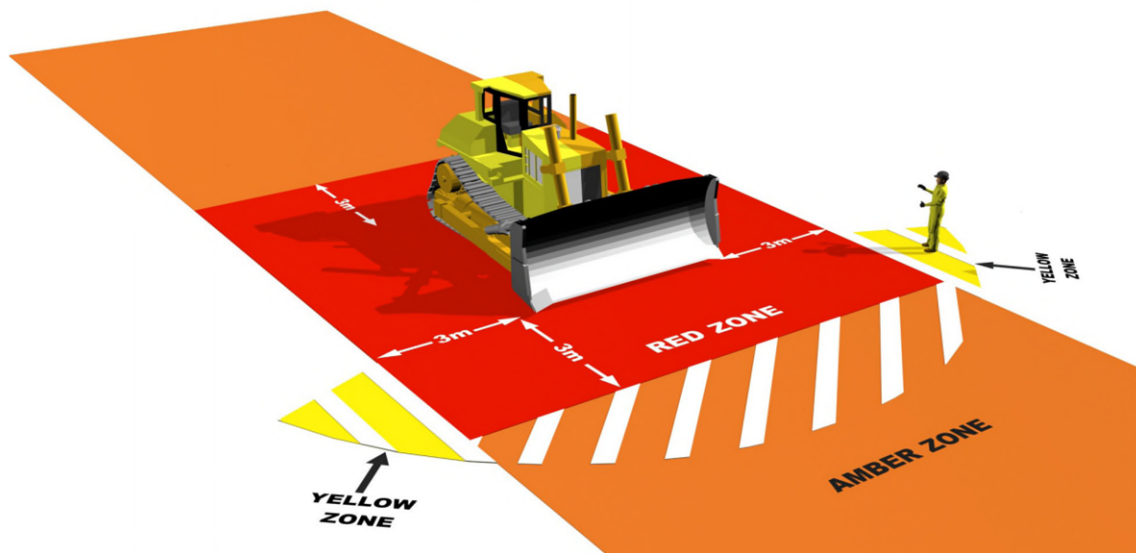
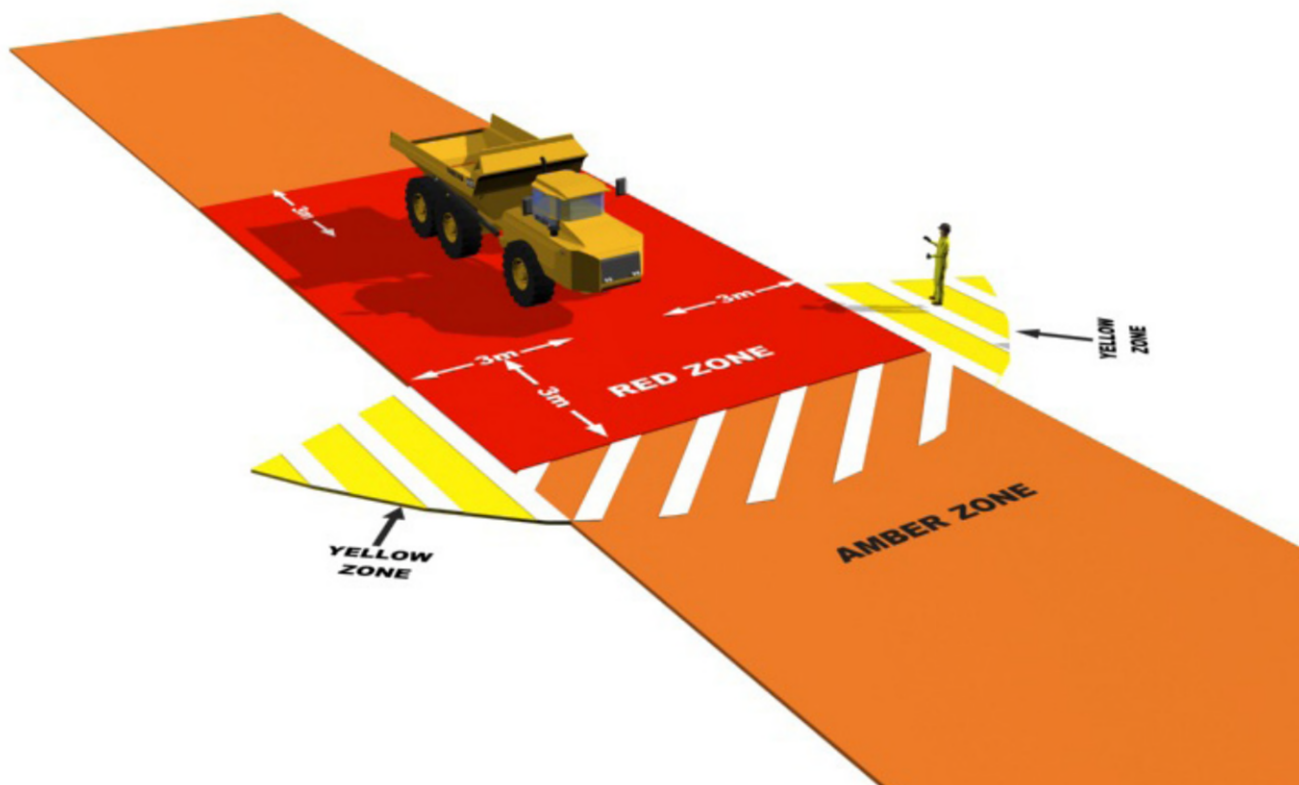
20	Use of hand/power tools	Injury	Employees	4	4	16	- Follow manufacturer's instructions - Apply task specific PPE as required (Hearing protection, goggles, dust mask) - Check tools before use and complete PUWER checks - Do not use damaged/faulty equipment - Keep hands clear of sharp/moving components	2	2	4
21	Sheet Pile and Frame Installation	Crush injury/damage Collapse of excavation	Employees, Public & Plant	2	5	10	- LOLER and PUWER checks to be carried out on equipment. All lifting equipment and accessories to be certified and in date. - Daily checks to be carried out on piling hammer and lifting equipment as per the Piling Hammer Daily Maintenance Record sheet. - Follow the correct installation steps outlined in MGF installation guide in Appendix D and detailed above – this will prevent side collapse of the excavation - No workers within the exclusion zone when piles are being installed. - Demolition guard to be fitted to the excavator. - Additional PPE to be worn – ear protection when installing the sheet piles	1	5	5

Contract Name:	Menai Shellfish	Sheet No.	25
Contract Number:		Date:	13/03/24

APPENDIX B

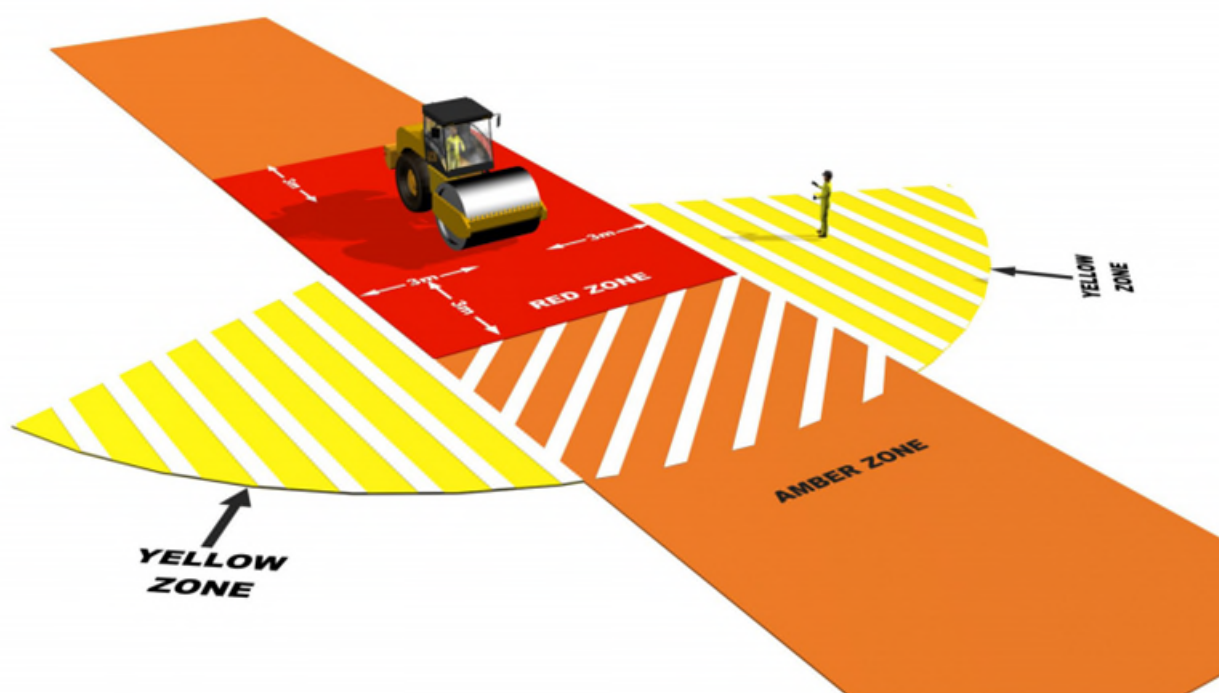
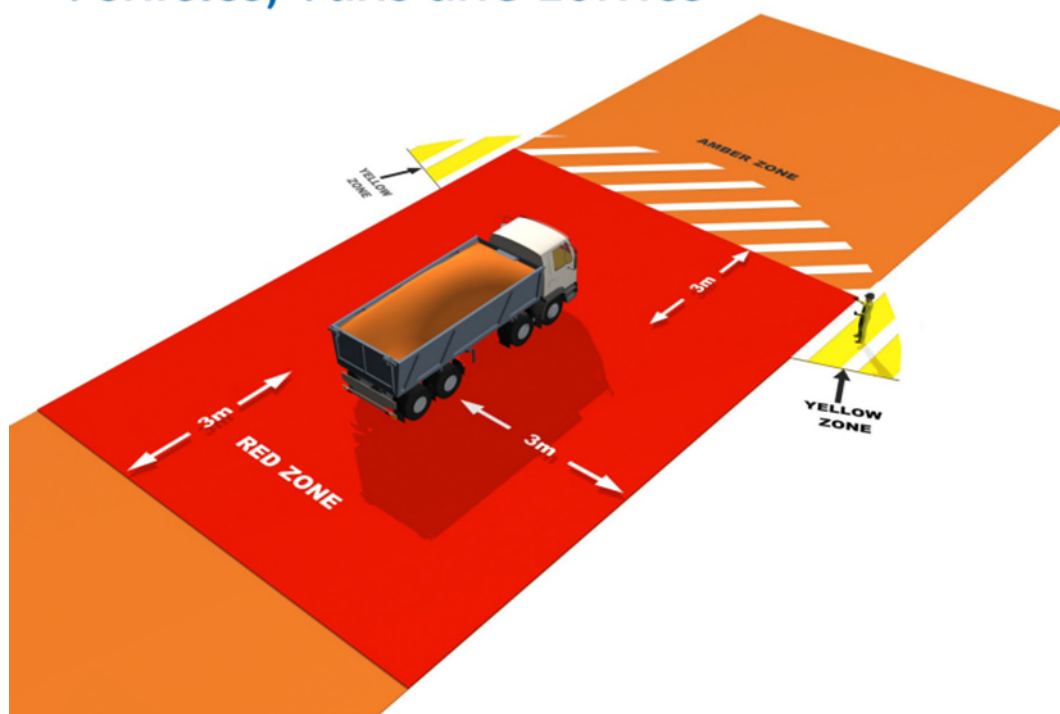


Contract Name:	Menai Shellfish	Sheet No.	26
Contract Number:		Date:	13/03/24



Contract Name:	Menai Shellfish	Sheet No.	27
Contract Number:		Date:	13/03/24

Vehicles, Vans and Lorries



Contract Name:	Menai Shellfish	Sheet No.	28
Contract Number:		Date:	13/03/24

Plant Interface Zones

Yellow Zone

All personnel involved with the plant operation must remain within this zone to maintain visual contact with the plant operator.

Amber Zone

Entry prohibited until positive visual contact is made with the plant operator and the machine is immobilised.

Red Zone

Entry prohibited unless the machine is completely isolated with the machine immobilised and the engine switched off.

Hatched Zones

Denotes typical sight lines of the plant operator

Contract Name:	Menai Shellfish	Sheet No.	29
Contract Number:		Date:	13/03/24

APPENDIX C

Attached as a separate Document to RAMS

Contract Name:	Menai Shellfish	Sheet No.	30
Contract Number:		Date:	13/03/24

APPENDIX D

Attached as a separate Document to RAMS

Contract Name:	Menai Shellfish	Sheet No.	31
Contract Number:		Date:	13/03/24

APPENDIX E

METHOD STATEMENT BRIEFING RECORD

METHOD STATEMENT EXPLANATION FORM

Method statement	Sewer Diversion
Method Statement No.	AGMS 007
Date of explanation	
Explanation given by	
Topics covered:	Method statement explanation including toolbox talks on:

No.	Attendee	Signature	No.	Attendee	Signature
1			14		
2			15		
3			16		
4			17		
5			18		
6			19		
7			20		
8			21		
9			22		
10			23		
11			24		
12			25		
13			26		

Signature of person giving explanation:

Signature of attendee confirms understanding of explanation given