Emerald Green

Method Statement

Client/PC	**Emerald Green**	MS Number	**016**
Start Date:	**May 2026**		
Site address:	**Turnbridge Mills Huddersfield**		
Name of Supervisor			
Operatives			
Duration of work	**2 weeks**		

Installation of attenuation tank 9.5 x 5.5m x 1.5m deep's

Sequence of Operation:

1. **Report to Site for Induction**

All personnel will report to the Principal Contractor and be given induction training prior to commencing work on the site and will provide their CSCS cards (or equivalent including plant certification) for verification on the date of the induction.

Emerald Green's Supervisor will undertake a toolbox talk on the method and risk assessments and ensure that all operatives read and sign for both the method statements and risk assessments for the works to be carried out on site prior to commencement of any works. A signed copy will be stored on site.

2 **Access Ground Conditions Erection Areas**

The ground conditions must be safe and fit for purpose for all mobile operated plant

Emerald Green will ensure all access roads, erection site and footprint of the tank area are to be suitably sloped consolidated and levelled to withstand deliveries and plant traffic along with adequate base for the operation of the excavator and subsequent hiab.

An exclusion zone will be set up for the lifting operation and warning signs displayed. Only authorised personnel will be allowed inside the zone with the permission from the Site Manager; and must be co-coordinated with Emerald Green operatives . Other trades, who wish to enter/carryout works in the exclusion zone, must co-ordinate their activities with Emerald Green activities before works commence through the Site Manager on a daily basis.

3. Overhead Power/telecommunications Cables

Before work starts, the operatives will make themselves aware of any overhead power lines, i.e. overhead cables e.g. telecom cables and make sure the lifting plan has taken these into account. The excavator and hiab will not be allowed at any time to lift over/near, or move its jib over/near; these power lines/cables, unless the Principal Contractor has put the appropriate control measures in place. Always ask construction for safe working distance before commencing lifting operations near overhead power/telecom cables.

4, Excavation of pit and blinding

The excavator will dig a pit at least 9.5 x 5.5 m in diameter at a depth of 1.6 metres. The edges will be sloped/ battered back and the ground is expected to be self standing. A ramp will be formed into the excavation to drive up and down
Lay 100mm of clean gravel for the base of the tank

5**. Installation of attenuation crates**

The crates shall be delivered on a hiab vehicle. The Principal Contractor must inform the driver(s) of any hazards on site by carrying out an induction.
The Principal Contractor must inform Emerald Green's site management of any circumstance, which may have an effect on the delivery of the crates such as delivery times, access/egress etc.

The working area around the hiab must be cordoned off with barriers and signs prior to any work commencing. The barriers should be positioned outside of the working radius of the excavator and hiab. Emerald Green Ltd will be responsible for these actions and ensure they are suitable. A competent slinger will attach the concrete blocks to the chains before they are unloaded. Operative will climb onto the rear of the vehicles which has web sling edge protection at a metre high so that the slings can be attached. Access will be via the vehicle steps

6. Safe Slinging of Crates

The units will be lifted vertically by the hiab vehicle at their point of balance by a competent slinger. Positive lifting system to be used if the angle with the vertical is different from 90 degrees, then adjustment in the slinging position will be made to correspond or a tail line attached so that the final position in the vertical plane may be altered.

7. Installation of Crates

Assemble the attenuation crates according to the manufacturer's instructions. Some crates may need to be clipped together by operatives and checked for alignment and stability.

Ensure that the crates are level and properly supported on the gravel base

Once the crates are installed, cover them with a geotextile membrane to prevent soil from entering the system.

Connect the attenuation crates to a drainage system or gully to manage water flow effectively

Ensure all connections are sealed and that the installation meets local regulations and guidelines for sustainable drainage systems

The area will be covered in soil, levelled and compacted.

PPE: Personal protective equipment shall be issued to all operatives and will be worn in accordance with statutory requirements. The P.P.E. shall include: • Hard hat • Safety footwear. • Gloves (as required eg rigger, welding • High visibility vests/jackets	**Site Rules:** Operative will adhere to the client site rules at all times. In addition to the client site rules, the work area will be segregated by suitable signage / barriers. High visibility clothing worn at all times Site induction to be carried out before work starts.
Substances: • Grout and sealants • Diesel	Waste Materials: Waste material eg damaged wooden chocks, damaged nuts, will be placed into a suitable receptacle prior to being disposed of into general or designated waste skip or alternatively removed by our own vehicle for disposal at our own premises.
Plant Equipment: • General hand tools • Excavator • Chains and slings • Attenuation crates • Grout and sealants All equipment brought onto site shall have a valid inspection and/or test certificate as required by Management. All work equipment will be inspected by the user before use. All LOLER certificates for plant and lifting gear will be available in the site office .	Training: Only trained and competent personnel will be employed to conduct this task. CSCS Card Plant card
Emergency Procedures: In the event of an emergency, the operators will contact the appropriate services and inform the Site Management as appropriate. Ensure escape routes are not blocked by storage of materials. All accidents however minor or trivial will be reported to Site Management. Records of all accidents or incidents on site will be recorded by Emerald Green Ltd on their own form and be reported without delay Emerald Green Ltd HS&E Advisor will investigate all accidents	**Hazards and Control Measures:** Hazards associated with the work shall be addressed in the specific risk assessment. Contact with overhead cables Contact with structures Falls from height Falling objects Hand tools Slip and trips Manual handling Overturning of excavator Hit by moving vehicles

Welfare Facilities Toilet, washing and changing facilities will have hot and cold running water with soaps and barrier creams and towels/hand drying supplies These are provided by the Principal Contractor	**Monitoring arrangements** Equipment will be checked before use. The Director/ supervisor/ H&S Advisor makes regular unannounced checks on projects which are documented.
Additional Comments:	
I understand the requirements of this lifting plan/method statement and agree to adhere to all the control measures identified within it.	

Name	**Date**	**Signature**

Originated by:	**Tracey Ellis**	Date Completed:	May 2026
Verified by:	**Josh Paterson**	Date Verified:	May 2026

DETAILS OF Excavator (or other lifting Apparatus)

Make/Model	36 Ton excavator
Capacity	SWL
Boom Length required	6.5 metres

DETAILS OF LOAD (heaviest lift at maximum radius being used)

Load Weight	4.5 – 7.9 ton per concrete block
Load Weight	panels at 3.8t- 3.8m x 2.2m
Block & Chain Weight	
Dimensions	
Maximum Radius	

PLEASE NOTE – Above load/ primary lift details are for the heaviest lift at 18m radius all consecutive lifts are lighter and nearer radius, this applies to all excavator lift positions shown on Appendix A

LIFTING ACCESSORIES (all accessories come with hire crane)

Slings (wire rope) : N/A	**Slings (webbing) : NA**
Slings (chains) : 20mm 4 leg chain SWL 10 Ton	**Shackles :**
Other Accessories :	

GROUNDCONDITIONS:

Access/Egress for the excavator and transport	
Lifting position(s)	See Appendix A Main Contractor/Client to confirm ground is suitable to withstand the given pressures

12. Recommended Rigging and Slinging Methods

The Included Angle Hoist Hooks

- For rigging configurations with two-legged slings, the included angle should not exceed 90° due to loss of lifting capacity of slings.
- The slings must sit in the base of the hook and be clear of the latch to prevent fouling of the latch.

Figure 3: The working load limit is valid for a single leg or multiple legs.

Rig to the Centre of Gravity

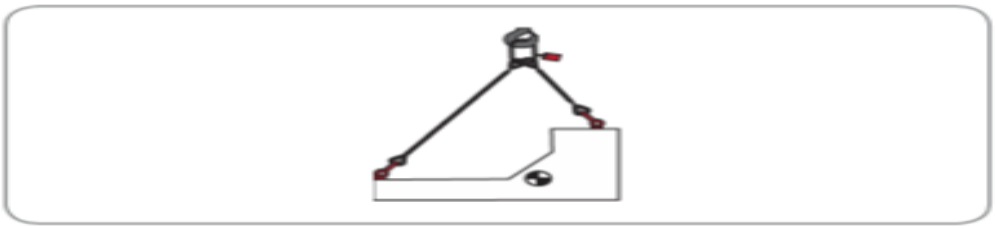


Figure 4: Good load control starts with rigging the load to the centre of gravity directly below the load hook.

SLINGING/HANDLING AND COMMUNICATION :

Can the operator see the loading and unloading point for the load from his position?	Yes	No	
What are the means of communication between the lifting crew?	Standard Hand Signal	Radio	Other

WEATHER CONSIDERATIONS

In adverse weather conditions (winds exceeding 11 mps) all lifting operations will cease and will only resume once wind reduces to less than 11mps.
In extreme weather conditions ie snow, ice, heavy rain, the safe working conditions will be reviewed periodically during the working day and if need arises lifting operations will cease.

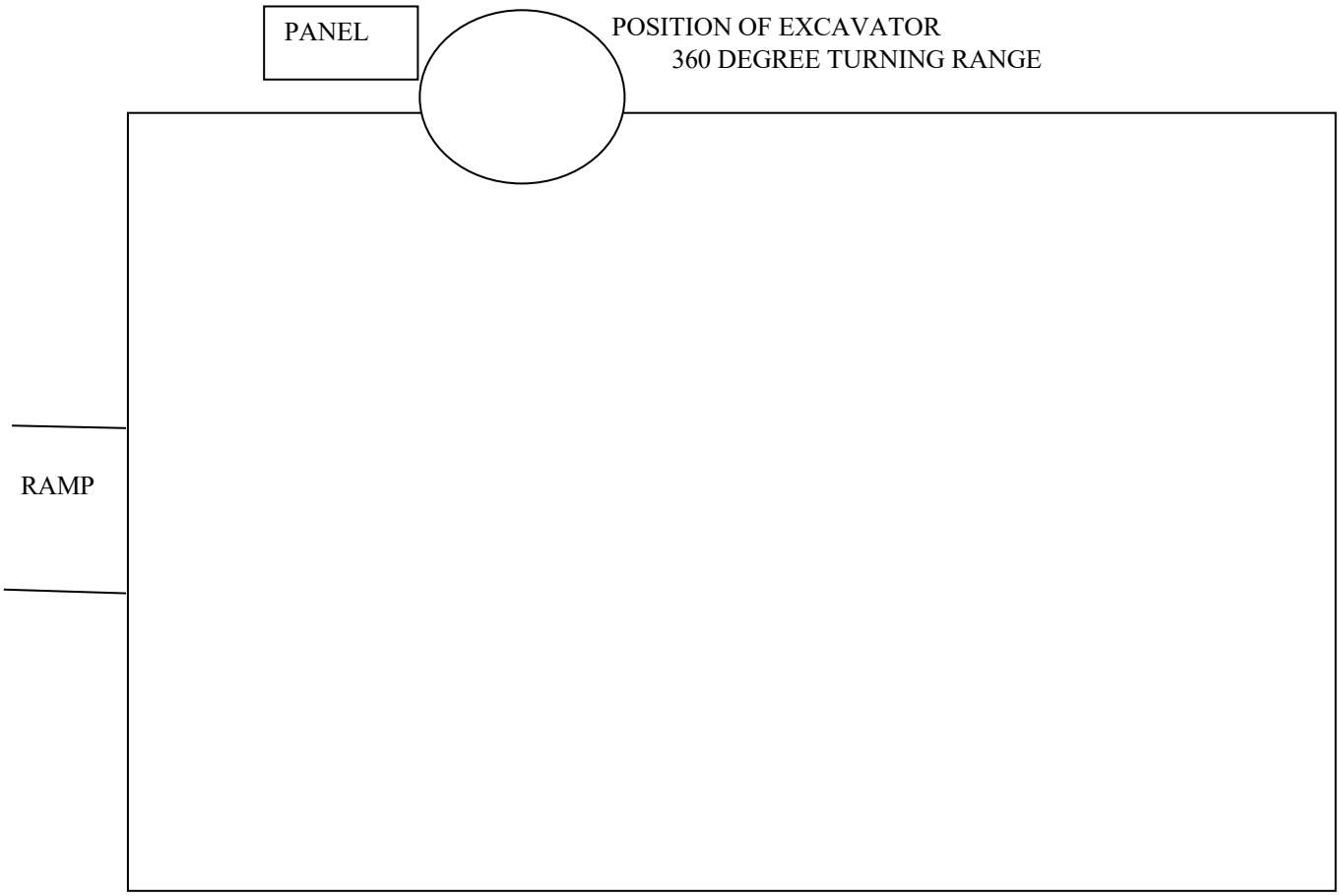
SITE SPECIFIC HAZARDS:

Identification of Hazards (Proximity to access and working areas)

Proximity Hazards	**Yes**	**No**	**Control Measure**
Overhead power lines		X	
Other overhead obstacles		X	
Other cranes etc (working within jib range)		X	
Underground services		x	
Other underground hazards		X	
Excavations	✓		
Unstable/soft ground		X	
Hazardous chemicals/Materials		X	
Adjacent buildings/other structures		X	
Confined working areas	✓		
Restricted Access		No	
Other Hazards identified on site Other trades and plant	✓		working areas to be cordoned off by main contractor
Identification of Hazards (Load)			
Load Hazards	**Yes**	**No**	
Slinging difficulties		X	
Top Heavy		X	
Sharp edges		X	
Chemicals involved in the lift		X	
Other Hazards Identified NONE		X	

NOTE – Above risk assessment to be read in conjunction with Emerald Green Ltd Risk Assessments

APPENDIX A


PANEL
POSITION OF EXCAVATOR
360 DEGREE TURNING RANGE
RAMP