Construction Environmental Management Plan (CEMP)

For

Whitehaven Golf Course

Prepared for

Western Lakes Ltd

Prepared by

Galpin Landscape Architecture Ltd

February 2024

Report Issue: GLA Whitehaven Golf Course CEMP_FINAL_010224

Construction Environmental Management Plan (CEMP)

For

Whitehaven Golf Course

February 2024

Galpin Landscape Architecture Ltd
Barclays Bank Chambers
3 Crescent Road,
Windermere
Cumbria LA23 1EA
info@galpinlandscape.com
telephone: 015394 46115
www.galpinlandscape.com

Contents

Page Number

1 INTRODUCTION

Introduction

1.1 Planning Permission was granted on 13/11/23 for Whitehaven Golf course for:

1. PHASED ALTERATIONS TO EXISTING 18 HOLE GOLF COURSE OVER A PERIOD OF 15 YEARS, INCLUDING ALTERATIONS TO GROUND LEVELS THOUGH IMPORTATION OF INERT MATERIAL AND SOILS, THE CREATION OF ADDITIONAL PLANTING AREAS, THE REPLACEMENT OF EXISTING PLANTING AREAS AND ALTERATIONS TO DRAINAGE; AND,

2. THE ALTERATION OF THE EXISTING SITE ACCESS AND ADJACENT LAYBY.

1.2 This Construction Environmental Management Plan (CEMP) has been prepared to fulfil the requirement of planning condition 7 which states:

Construction Management

7. Prior to the commencement of each phase of development a Construction Environmental Management Plan (CEMP) shall be submitted to and approved in writing by the local planning authority unless a CEMP has previously been submitted to and approved in writing by the local planning authority for the whole site.

The CEMP shall include:

- details of the means of access and parking for construction traffic and vehicles

- procedures for the loading and unloading of plant and materials

- details of the areas to be used in the storage of plant and materials used in the development

- details of measures to control dust, emissions, sediments and pollutants arising from the development, specifically including measures to prevent the discharge of such materials to existing watercourses

- details of measures to control noise and vibration impacts

- a scheme for recycling/disposing of waste resulting from construction works.

The approved CEMP shall be adhered to throughout the construction period.

Reason

To protect neighbour amenity and to protect the environment from pollution in accordance with Policy ST1 of the Copeland Local Plan.

2 THE PROPOSED DEVELOPMENT

The Proposed Development

2.1 The proposed development comprises of phased importation of clean top and subsoils to improve the quality of the setting of the fairways, dealing with the drainage issues inherent at the present time. This will include introduction of swales where appropriate. Depth of new fill will vary but commonly be between 0.5 to 3 m.

2.2 Phasing will occur over a 15-year period giving an importation of approximately 215,000 cubic m.

2.3 After completion of earthworks, new tree planting is scheduled across extensive areas.

2.4 The golf course would remain open to maintain the 18 hole throughout the works period.

Key Contacts

2.5 The Key Contacts are:

Client: Western Lakes Ltd

Whinbank Farm, Distington, Workington, Cumbria, CA14 4QH

Planning Consultant: MJN PLANNING, DEVELOPMENT & MANAGEMENT CONSULTANTS LTD

Grange Bungalow, Low Road, Brigham, Cockermouth, Cumbria, England, CA13 0XH

Landscape Design: Galpin Landscape Architecture Ltd

Galpin Landscape Architecture, Barclays Bank Chambers, 3 Crescent Road, Windermere, Cumbria LA23 1EA

3 METHODOLOGY

Construction Environmental Management Plan (CEMP) Methodology

Risk Assessment

3.1 CEMP – compliance with environmental legislation likely to affect the project, management of the major environmental impacts of the project, provision of figures and data for environmental performance measurement and systematic monitoring, review and improvement.

3.2 The CEMP provides an overview of the environmental management on site and will direct the team to more detailed information in site procedures and method statements. As this is a relatively simple construction project, the report reflects the level of detail provided.

3.3 Typical plan;

- Aims, objectives and targets
- Legal requirements and obligations
- Organisation and responsibilities
- Environmental risks
- Management/ control and mitigation
- Training
- Communication
- Inspection and monitoring
- Emergency arrangements
- Review

Reference Documents

3.4 Control of Water Pollution from Construction Sites, Guidance for Consultants and Contractors, CIRIA, 532, 2001.

3.5 Condition 7_1070-06-600_Rev0_CEMP Base Plan – Plan indicating Site circulation and layout regarding health and safety on site.

4 CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN

Project and Construction Description

4.1 This project is to enable the yearly playable conditions of a championship 18 hole golf course. Firstly existing topsoil layer will be removed from the designated areas in which the masterplan shows. This will be stockpiled to the side of the easements in which work to increase the levels of the course, allowing for extra drainage, which in turn will increase the playability throughout the winter months of the year. Once the satisfied masterplan level are reached and the total subsoil for each individual area as been imported, the topsoil will be re-instated to the area and seeded.

Construction Works Programme

4.2 The construction is anticipated to commence 2024 and will be completed within 15 years.

Fuel and Cement Storage

4.3 All fuel to be transported to the workface in a bunded bowser, the bund area of the bowser will allow for 110% of the bowser contents.

Surplus materials and waste

4.4 Surplus materials will include materials generated by the excavation/extraction works during construction of the road and concrete bases, mainly sub and top soils.

4.5 Any materials excavated on site in the course of the construction works will be temporarily stored on site and re-used within the site. As such, off-site disposal of this material is not anticipated.

Site Plans

4.6 The plans applicable to this report are shown in the contents.

Site hours

4.7 The site hours are between 07:30 and 18:00 from Monday to Friday and Saturday 8:00 to 13:00 as per planning condition 11.

Environmental Emergency Plan

Procedures

4.8 In the event of serious oil, fuel or chemical spill on site the following action must be taken;

The spill kit is located at/in – Adjacent to the work site and in the site container

The telephone number for the environment agency is 0800 80 70 60

Staff trained in Spill Kit usage

4.9 All staff undertaking any works throughout the project will be required to be sufficiently trained in all individual areas required, weather this be operating machinery or use of spill kits.

Spillage

4.10 Spillage of fuel, oil and chemicals will be minimised and in the event of any spillage or pollution of any watercourse the emergency spill procedures is:

In the event of a spill occurring on site, the following action must be taken…

Duties of All Staff

- Stop what you are doing.
- Try to contain the spillage using spill kits, River boom, earth or sand etc.
- Stop oil or other liquids from reaching drains, manholes, streams and rivers.
- If the situation becomes unsafe, evacuate yourself and others from the area.
- DO NOT put yourself at risk.

Duties of Senior Staff and Fire Wardens

- Assess the severity of spill
- If the spillage represents a hazard arrange for the area to be evacuated.
- Contact the Environment Agency.
- Call the Emergency Services, if required.
- Take a headcount using the site attendance sheet or site diary.
- Using the information contained in the COSHH assessments in relation to the use of protective clothing or specialist handling equipment, act to contain the spillage without putting yourself or others at risk.
- Take advice from Emergency Services if required to assist with the spillage.
- Assess with the Emergency Services whether any residual risk exists before allowing staff to return to the site.

- Maintain a record of events as they happen and keep Western Lakes Ltd and Galpin Landscape Architecture fully informed.
- Report all environmental incidents to the keep Western Lakes Ltd.
- Ensure that any items used to deal with a spillage are re-ordered and replenished.

4.11 Ensure all used absorbent materials are disposed of as hazardous / special waste

4.12 If a complaint is received in relation to the environmental aspects of the work being carried out (i.e. noise, fume, dust, vibration or disturbance of natural habitats), the following action must be taken:

- All work associated with the complaint must be temporarily suspended.
- The matter must be reported by phone to Western Lakes Ltd.
- Following an assessment of the severity and consequences of the complaint, a course of remedial action will be decided on.
- The remedial action will be implemented on site.
- The Manager will respond formally to any complaints that are received.

APPENDICES

Risk Assessment Policy Statement

These are the Risk Assessment Policy Statement of

Western Lakes Ltd

WL MS0006 - GC 360 Tracked excavator method statement issue 2 – See Appendix 1

WL RA 0006 - GC 360 Tracked Excavator risk assessment issue 2 – See Appendix 2

APPENDIX 1 :

WL MS0006 - GC 360 Tracked excavator method statement issue 2

SAFE SYSTEM OF WORK

SAFE USE AND OPERATION OF **360** TRACKED EXCAVATOR

Issue 1

BE CAREFUL **BE SAFE** **BE ALERT**

WL MS 0006

Amendment Record

Issue No.	Amendment	Prepared by	Checked by	Date
1				5/7/13
2		Scott George		23/10/2023

Review Date……October 2014

……..

CONTENTS

1.0 Scope of the Works

This safe system of work describes how to safely operate a 360 Tracked Excavator.

2.0 References

Operators manual,
Manufacturers recommendation's
Takeuchi TB125, Takeuchi TB135, Takeuchi 153FR, Takeuchi 175 Takeuchi TB180FR, Takeuchi TB285, Case CX 130B, Case 135SR, Case CX 180 Case CX 330, Case 9046, Hyundai 140, Hyundai R27-Z-9, JCB JS210, JCB JS220, JCB JZ235, JCB JS330,
Kubota KX35-2

3.0 Hazards Identified

1. Plant and Equipment
2. Public interface
3. Traffic interface
4. Noise
5. Dust
6. Loading
7. Underground services
8. Overhead services
9. Climbing on and off equipment
10. Lifting operations

4.0 Personnel

Driver to have been assessed as competent

5.0 Plant & Equipment

360 Tracked Excavator

6.0 Materials

Oils and grease
Diesel

7.0 Personnel Protective Equipment

Mandatory PPE

High Visibility Clothing
Safety Footwear

Additional PPE
Site specific

8.0 Planning

Safe system off work
Risk Assessments
Pre start checks
Defect reporting

9.0 Temporary Works

Not Applicable

10.0 Work Area & Access / Egress

As detailed in the site induction.

11.0 Public Interface

As detailed in the site induction.

12.0 Method of Works

Operator to have been assessed as competent for the Machine they are driving.
A copy of the driving instructions for the make and model of machine will be available in the operators manual, which will be kept in the cab at all times. The operator will familiarise themselves with specific operational information contained in the manual.
If the operator is still unsure of any specific operational procedure on the machine, The machine must not be operated until any familiarisation training needed is carried out, by a competent person.
Operator to check that the machine is within its service hours – next service due stickers are displayed in the cab.
Operator to check the machine before starting work and complete the pre start checks and fill in the appropriate log sheets.
All faults to be reported to: Whinbank Farm 01946 830305.
The fault will be logged and then action taken to fix the fault.

If the fault is safety critical the machine will be parked up and isolated until the fault is repaired.
Once the pre start checks are completed the machine can be put into service following some basic guidelines.

The 360 track Machine –

- CAT scan and trial holing must be carried out prior to any digging operations in virgin ground.
- Permit to work must be sought before any excavations commence.
- Operator must wear a seat belt if fitted.
- Operator to attend site specific induction before carrying out works.

- Must avoid digging under overhead cables, unless the proper precautions have been taken, height restrictor fitted to the machine.
- Operator must park the machine on firm level ground, lower the bucket to the ground, switch off the engine and remove the keys before leaving the cab, then isolate the machine, taking care that no access or exits are blocked, and emergency routes are kept clear.
- Operator must not use mobile phone when operating the machine.
- Operator must make sure the area is clear of personnel before operating the machine.
- Do not position the excavator too close to trenches as the sides can collapse.
- Care to be taken when operating on slopes.
- When loading vehicles never load over the cabs.
- All operatives to be trained in appropriate quick hitch training.

Servicing and Inspections

Each 360 Excavator will be allocated a unique plant number.
All pre start checks, Service and repair records will be kept in a file in the plant office.
The Machine should be serviced in accordance with the manufacturer's recommendations.
If for any reason we vary from this, then a written record explanation should be kept in the machine file.
An annual lifting inspection will be carried out by an independent qualified body.
Each machine will be inspected before it goes out onto site and a detailed inspection sheet goes into the machine file.

13.0 Environmental Arrangements

Fuel to be stored off site and brought on to site to fill the machines.
Once fuelling operations are complete the fuel bowser will be removed.
Refuelling of plant to be away from watercourses
Spill kits to be kept with the fuel bowser while refuelling machines.
Stockpiles of materials should be sealed to prevent run off

14.0 Emergency Procedures

The company adopt a basic site emergency procedure and it is as follows:

- In the case of an accident, injury or near miss – Stop work – ensure that there is no risk of further injury or accidents - contact first aider - preserve the scene – contact the relevant emergency service, this can be achieved by landline or mobile,
- Raise the alarm and let other members of staff know the emergency.
- Where applicable evacuate the relevant area and if safe to do so ensure the emergency services have clear access and information of the emergency. List casualty numbers, known hazards in the area, missing persons.
- report to supervisor and company management as detailed in the site induction.
- Where possible make a written record of what you saw and hand it in to the company office.

15.0 COSHH Assessments

Oils, Diesel and grease used need only good quality hygiene procedures – using suitable gloves when handling these materials.
Empty grease cartridges to be deposited in the appropriate container. Wash your hands after using and before subsequent break times.

16.0 Risk Assessments

360 Excavator Risk Assessment WL RS 0006

APPENDIX 2 :

WL RA 0006 - GC 360 Tracked Excavator risk assessment issue 2

Machine	**360 Tracked Excavator**	RA No	WL RA0006

SAFE SYSTEMS OF WORK	**Associated Safe use and operation sheet WL MS0006**
Review Date **Issue 2**	

SPECIFIC ASSESSMENT CONTROL MEASURES INCLUDED

Risks involved in the Safe use and operation of 360 Tracked Excavators

BE CAREFUL **BE SAFE** **BE ALERT**

Prepared By: **Scott George** **Date 23/10/2023**

Passed for briefing By: **Date**

Likelihood

	Not Likely; small chance of occurrence in the nature of the task it is unlikely to occur
1.	Possible; during the task occurrence could happen
2.	Likely; an even chance off incident during the task whilst performing this operation
3.	Probable; an incident will happen at some point whilst performing this operation
4.	Certainty; imminent chance of incident

Severity

1.	Negligible; injury not requiring first aid, damage to property not requiring repair
2.	Minor; injury requiring first aid provision, minor repairs to property
3.	Moderate; 3 day + lost of time to injury, damage that ceases operation
4.	Serious; major injury that could also lead to single fatality, major damage to property
5.	Major; one or more fatalities, property damaged beyond economic repair

RISK KEY
1. Negligible
2. Minor
3. Moderate
4. Serious
5. Major

1. Not Likely	2. Possible	3. Likely	4. Probable	5. Certainty
1	2	3	4	5
2	4	6	8	10
3	6	9	12	15
4	8	12	16	20
5	10	15	20	25

Risk Table

1-3 Negligible Risk	Process may proceed but must be advised on induction and annually thereafter
4-7 Low Risk	Process may proceed but must be advised on induction annually and inspections made thereafter
8-14 Moderate Risk	Work Must cease and further controls applied
15-20 High Risk	Work must cease and further controls must be employed to reduce the risk prior to recommencement
20+ Intolerable Risk	Work must cease and further controls must be employed to reduce the risk prior to recommencement

By taking the severity rating number and multiplying it by the Likelihood rating number will give you the Risk Rating from the Risk Key Table. Once the overall rating has been established this should be referenced

Risk Number	Hazard	Hazard effect	Hazard Effects who	S	L	IRR	Control Measures	L	S	RRR
1	Plant operations	Injury death	Operator Workforce public	4	4	16	Only competent operators to use equipment. Appropriate quick hitch training carried out. All equipment to be checked before use and a record kept. Defect reporting procedure in place. Operator to park up if safety critical fault is found. Seat belts to be worn at all times when operating machinery. Reversing cameras must work if fitted. All mirrors to be in good order, clean and correctly adjusted to give maximum views. Audible alarms must work where fitted. Flashing beacons to be fitted and working. Mobile phone use prohibited when operating machinery. No smoking in company vehicles Care to be taken on steep slopes(check manufactures guidelines)	1	4	4
2	Public Interface	Injury death	public	4	4	16	If a member of the public enters a site stop work and inform supervisor.	1	4	4

Risk number	hazard	Hazard effect	Hazard Effects who	S	L	IRR	Control measures	L	S	RRR
3	Traffic Interface	Injury death	Operator Workforce public	4	4	16	One way system to be used. Flashing beacons to be fitted and working. Reversing kept to a minimum.	1	4	4
4	Noise	injury	Operator Workforce public	2	4	8	Use silenced equipment. Do not sound horn, unless necessary to warn others.	1	2	2
5	Dust	injury	Operator Workforce public	2	4	8	Monitor dust daily. Inform supervisor who will arrange to damp down dust if required.	1	2	2

Risk number	hazard	Hazard effects	Hazard Effects who	S	L	IRR	Control measures	***L***	S	RRR
6	Loading	Injury death	Operator Workforce public	4	4	16	If a member of the public enters a site stop work and inform supervisor. Always load trucks from the back or the side - never over the cab. Make sure nobody stands between the loading vehicle and the truck. Loading should be even, side to side and back to front. Where possible Avoid loading materials which will stick to the skip when tipping. Make sure loads are trimmed so material does not fall off during transport.	1	4	4
7	Under Ground services	Injury death	Operator workforce	4	1	4	Cat scan must be carried out before excavations commence Trial holes must be dug Visual assessment of area for any signs of manhole covers etc.	1	4	4
8	Overhead cables	Injury death	Operator Workforce public	4	4	16	Overhead cables are visually obvious. Always travel on designated routes. Never operate 360 Track machine under overhead cables unless height restrictors are fitted.	1	4	4

Risk number	hazard	Hazard effects	Hazard Effects who	S	L	IRR	Control measures	L	S	RRR
9	Climbing on and off machines	Injury death	operator	4	4	16	Climb on and of using only manufacturers hand and footholds. Maintain 3 points of contact at all times. Face the machine while climbing on and off. Park the machine where easy access to the cab is afforded Make sure all hand and foot holds are clears of mud and debris. Make sure you have the correct footwear, with suitable grip / tread which is free from mud and debris.	1	4	4
10	Lifting operations	Injury death	Operator workforce	4	4	16	Only lift using the correct lifting points on the machine All machines checked annually and certified by competent body Never stand under a suspended load Only competent personnel to work in any lifting operations	1	4	4

11	Generic control						All persons will be competent for the work they are to carry out Young or inexperienced workers will be supervised Reckless behaviour will not be tolerated All hazards will be reported to the supervisor with immediate effect Adequate fire and first aid arrangements are to be in place regular maintenance and housekeeping is prioritised. All defects are reported to supervisor with immediate effect. If during the working day an operative is unsure about the work in hand, they should stop and seek advice from the supervisor			

Sign on Record

I understand that I have access to the Safe System of Work incorporating A Method Statement and Risk assessment file and agree to ensure that I aid my employer in meeting my duties to ensure safety for the business and all its relevant person/s as it is my legal duty.

I have read the method statement and supporting documents, I understand them, I understand my role and will work in a safe manner

Name (Please Print)	Date	Signature	Name (Please Print)	Date	Signature

Name (Please Print)	Date	Signature	Name (Please Print)	Date	Signature

Name (Please Print)	Date	Signature	Name (Please Print)	Date	Signature