

Construction Environmental Management Plan



Trowbridge Leisure Project
19th August



**Tyler
Grange**

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Section 1: Introduction and Context

- 1.1. This Construction Ecological Management Plan (CEMP) has been prepared by Tyler Grange Group Ltd on behalf of Pellikaan Construction Ltd in relation to the proposed development of Land at Bythesea Road, Wiltshire. The description of the applications have been made for the construction of a leisure centre with associating car parking and soft landscaping.
- 1.2. Given the potential for impacts to retained features of ecological interest within the wider environment, it is advised that a CEMP would be required to *safeguard habitats and species during construction work*. To avoid the requirement for a pre-commencement condition this CEMP has been prepared prior to the submission of the planning application.
- 1.3. This CEMP includes:
 - Risk assessment of potentially damaging construction activities;
 - Identification of "biodiversity protection zones";
 - Practical measures (both physical measures and sensitive working practices) to avoid or reduce impacts during construction (may be provided as a set of method statements) to:
 - Watercourses;
 - Protected species (otter, nesting birds and roosting bats);
 - The location and timing of sensitive works to avoid harm to biodiversity features;
 - The times during construction when specialist ecologists need to be present on site to oversee works;
 - Responsible persons and lines of communication;
 - Practical measures to avoid the spread of invasive species; and
 - Use of protective fences, exclusion barriers and warning signs.

Context

- 1.4. The site measures approximately 2.58 ha in size and comprises hardstanding, small areas of modified grassland, introduced shrub and ruderal vegetation, scattered broadleaved trees, hedgerows, a line of mature broadleaved trees and a small building. The site is located within the urban area of Trowbridge and is bordered by residences and businesses. The River Biss runs along the northeastern site, as shown in the Habitat Features Plan (ref: **16262/P01a**).

Quality assurance

- 1.5. All ecologists at Tyler Grange Group Ltd are members of CIEEM, or are working towards membership and act under the direction of members, and abide by the Institute's Code of Professional Conduct.



Section 2: Scope of CEMP

- 2.1. Using information gathered from the following sources, a list of potential ecological constraints was identified:
- Ecological Impact Assessment (EclA) (ref: 16262_R01); and
 - Arboricultural Impact Assessment (AIA) (ref: 16262_R02).
- 2.2. Specific habitats and species receive legal protection in the UK under various pieces of legislation, which have been taken into account when scoping the CEMP. This includes:
- The Environment Act 2021;
 - The Wildlife and Countryside Act (WCA) 1981 (as amended);
 - The Conservation of Habitats and Species Regulations 2017 (as amended);
 - The Countryside and Rights of Way (CROW) Act 2000;
 - The Natural Environment and Rural Communities Act (NERC) 2006; and
 - The Hedgerows Regulations 1997.
- 2.3. In addition, the requirements of the National Planning Policy Framework (NPPF) December 2023 was also considered in respect of the requirements to protect against biodiversity loss and safeguard protected species, species of principal importance and biodiversity assets from impacts that affect their nature conservation interests and resilience of ecological networks.
- 2.4. Likewise the requirements of Core Policy 50 of the Wiltshire Core Strategy, which requires protection of biodiversity and safeguarding of species/habitats, have been considered.

Risk Assessment

- 2.5. The following potential ecological constraints / risks for the site have been identified, as below:
- Presence of designated sites within the zone of influence (notably Bath and Bradford-on-Avon Bats Special Area of Conservation (SAC));
 - Retained habitats of higher ecological importance (hedgerows, broadleaved trees, watercourse) on site;
 - Potential for roosting bats in the building and trees and presence of foraging bats within the site;
 - Potential for riparian mammals (namely otter) along the river corridor; and
 - Potential for nesting birds;

A table containing the relevant CEMP measures in respect of the risks identified is provided in **Section 3**.



Section 3: CEMP

- 3.1. **Table 3.1** below sets out the relevant potential ecological constraints associated with the works and any necessary mitigation to be implemented during the construction phase.

Table 3.1: Construction Environmental Management Plan

Ecological Feature / Constraint	Purpose of the Mitigation Action	Detail of the Mitigation Action	Responsibilities
Designated sites within 10km of the site, retained habitats, adjacent habitats	To avoid indirect negative effects to the designated sites, retained habitats and other adjacent habitats.	Heras fencing should be erected around areas of retained habitats and along the riparian corridor to ensure no incursion into these areas and damage to these habitats. This will act as the "biodiversity protection zone". The fencing should be located between 5 – 10 m from the riparian corridor and outside of the root protection areas of retained trees (as shown on Plan 16262/P02a) and appropriate signage attached to the fence to protect these areas. No storage of materials or machinery should be located inside the fencing. Fencing around retained trees should be installed as specified within the AIA and in accordance with best practice guidelines BS 5837:2012 'Trees in relation to design, demolition and construction'. The fencing should be checked daily by the Principal Contractor with any damage fixed immediately. The fencing will remain in place for the duration of the construction period. There will be no night working / no light spill onto adjacent habitats overnight. Recognised good practice principles will be adhered to at all times including: – Vehicles and machinery will be serviced regularly and correctly maintained to reduce noise and vibration; – Noise-reducing devices, such as silencers and baffles, will be fitted to machinery; – Drip trays or plant nappies to be used when refuelling and left under stationary machinery; – Maintaining high standards of housekeeping; – Dampening down working areas in dry periods to prevent dust; – Using covered wagons and skips;	Principal Contractor responsible for implementation



Ecological Feature / Constraint	Purpose of the Mitigation Action	Detail of the Mitigation Action	Responsibilities
		– Keeping access and compound clean and swept; – All materials to be protected from potential rainfall and runoff; and – Ensuring spill kits are available at all times.	
Foraging Bats	To avoid disturbance to foraging bats.	No night working / no light spill onto adjacent and retained habitats such as mature trees, hedgerows and river corridor.	Principal Contractor responsible implementation
Roosting Bats	To avoid disturbance to roosting bats	The on-site building (an electrical substation) has substantial ivy growth on its northwestern elevation, potentially obscuring suitability roosting features for bats. It is therefore recommended as a precautionary approach that the ivy be carefully stripped prior to demolition under the supervision of a suitably qualified ecologist. The large horse chestnut <i>Aesculus hippocastanum</i> adjacent to the southern site boundary also has significant ivy growth on the trunk, potentially obscuring suitability roosting features for bats. As the tree is proposed to be removed as part of the proposals, it is to be assessed prior to its removal to confirm its suitability to support roosting bats. The tree will be climbed in August 2024 and any potential roost features (PRFs) found inspected by a licenced bat ecologist. In the case that suitable features are found during the tree climbing in August, the tree, when removed (likely autumn 2024), should be section-felled with any PRFs inspected by a licenced bat ecologist or left undisturbed on the ground for at least 48 hours as a precaution.	Appointed Ecological Clerk of Works (ECoW) Principal Contractor responsible for liaising with ECoW to programme surveys and work schedule.
Breeding birds	To avoid disturbance to birds during the breeding season.	Implement fencing as detailed above to avoid incursion into areas of woody vegetation which could be used by nesting birds. Should works to the on-site building commence in the 'core' bird nesting season (March - August inclusive), a suitably qualified ECoW will undertake a pre-commencement check of the building to check for the presence of nesting birds. If a nest is found an exclusion zone (commensurate with the level of disturbance risk) will be set up and works will avoid the exclusion zone until it has been confirmed by the ECoW that nesting is complete. Some species of bird are known to nest outside of the 'core' nesting period (i.e. between October and February) and as bird nests are protected at all times of year,	Appointed ECoW Principal Contractor responsible for liaising with ECoW to programme surveys and work schedule.



Ecological Feature / Constraint	Purpose of the Mitigation Action	Detail of the Mitigation Action	Responsibilities
		due diligence must be shown by all contractors . If a nest is suspected, work in that area should stop and advice sought from the ECoW.	
Other fauna	To prevent incidental trapping / injury or killing of wildlife.	The Heras fencing detailed above should remain in place to prevent incursion into semi-natural vegetated areas and riparian corridor which could be utilised by otter, common amphibians and other fauna. The working area, together with any storage areas are to be kept clear of debris, and any stored materials being kept off the ground on pallets within the hardstanding car park area to prevent amphibians or other wildlife such as hedgehogs from seeking shelter or protection within them. Any excavations to be in-filled and made good to ground level with compacted stone or similar at the earliest opportunity or being covered with plywood sheeting (or similar) at the end of each working day. The edges of these sheets being covered with a thick layer of topsoil or similar) to prevent amphibians from seeking shelter beneath them. Any open pipes to be temporarily capped at the end of each working day to prevent any animals gaining access. The use of chemicals (such as herbicides & fertilisers) to be avoided where possible. Should any chemicals be used and stored on site these should be kept in secure compounds away from access by animals. Any obvious hedgehog paths to be left clear of obstruction. The locations and timing of ecologically sensitive works to only take place between 8am and 6pm daylight working hours and starting one hour after sunrise and ceasing one hour after sunset.	Principal Contractor



Section 4: Compliance and Audit

- 4.1. To ensure compliance, a written record of all surveys and mitigation interventions is to be kept by the appointed ECoW including dates of site visits and advice provided.
- 4.2. Once construction work is complete a report of all surveys and ecological mitigations undertaken shall be produced and provided to Wiltshire Council as a record of condition compliance.
- 4.3. It will be the responsibility of the client and Principal Contractor to ensure successful implementation of this CEMP and provision of the required information of compliance where requested by the ECoW to allow completion of their compliance report.
- 4.4. It is considered that compliance with this CEMP will ensure the legislation and policy in relation to biodiversity will not be triggered during the construction phase.



Appendix 1: Proposed Site Plan with Existing Constraints



Key:

- Land in the care or ownership of the applicant (blue)
- Application Boundary (red line)
- Proposed Building Outline
- Existing Tree and Associated RPZ
- Existing Tree/Vegetation to be Removed
- Existing Services and Easement (see Hydrock Drwg.)
- River Biss 8m Buffer
- River Biss 15m Buffer

Notes

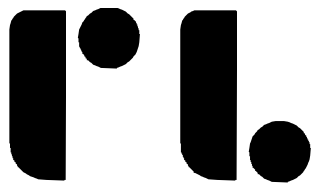
- All site information based on survey information provided by Wiltshire Council - topographical survey: 2646B.
- Existing building locations based off utilities survey provided by Wiltshire Council: 55202_P
- Ordnance survey information provided by Ordnance Survey @ Landmark Information Group Limited 2023. All right reserved.Licence number:2531203: Promap-2531203-2636415-720-0
- Ownership boundary, from drawing: 'LW_HMLR Title Plan WT245810 East Wing County Hall'
- Civils locations based off drawing provided by Hydrock: 31436-HYD-00-ZZ-DR-7000 & Utilities Survey provided by Wiltshire Council: 33202_P.
- Tree Data and RBZ's based off drawing received from Tyler Grange: 16262_P02 Tree Constraints Plan_Ex.
- River Biss buffer zones based off Tyler Grange drawing; 16262/P05

This line should measure 70mm when printed correctly

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Rev	Date	By	Chk	Description
P01	11.07.24	SL	BB	ISSUED FOR INFORMATION
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P03	06.08.24	SL	SL	ISSUED FOR INFORMATION



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Project Name

Trowbridge Leisure Centre

Client Name

Wiltshire County Council

Drawing Title

Proposed Site Plan_with Existing Constraints

Scale		Project No.	
1 : 500 • A1		11120	
Status		Purpose Of Issue	
S2		S2 Issued for information	
Project	Org	Vol	Level
11120	• RL	• XX	• ZZ
Number		Revision	
F0006		P03	

Plans:

Plan 1: Habitat Features Plan 16262/P01a

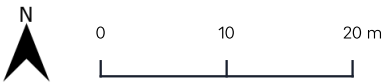
Plan 2: Tree Constraints Plan 16262/P02a





Legend

- Indicative Redline Boundary
- Hazel Saplings
- Building
- Introduced Shrub
- Modified Grassland
- Hardstanding
- Ruderal Vegetation
- Scattered Trees
- Native Species-poor Hedge
- Non-native Hedge
- Fence
- Target Notes
 - T1 - T3: Small-leaved cotoneaster growth
 - T4: Ivy growth on building
 - T5: Group of sycamore trees
 - T6: Group of yew trees
- River Biss 15m Buffer



Project	Pellikaan Trowbridge
Drawing Title	Habitat Features Plan
Scale	As Shown (Approximate)
Drawing No.	16262/P01a
Date	April 2024
Checked	VKC/RC

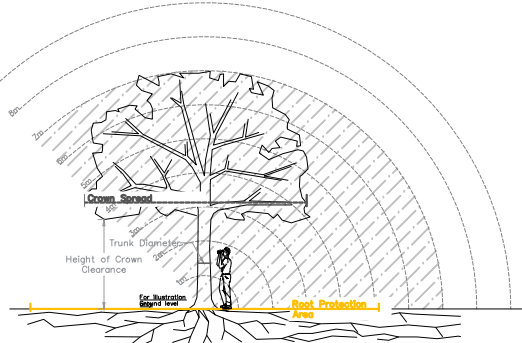


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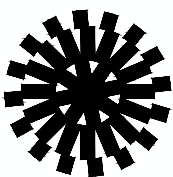


- Category A – Trees of High Quality and Value
- Category B – Trees of Moderate Quality and Value
- Category C – Trees of Low Quality and Value
- Root Protection Areas
- Tree Shading Constraints

*Denotes trees and groups not identified on topographical survey. Locations approximated using measurements taken on site.



A	Update to topo detail	01/08/2024
Rev	Description	Date



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Revision A

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