

2026



**Construction Environmental
Management Plan (CEMP)
for the proposed 4-bedroom
detached family home at the
rear of 65 West Street,
Warminster.**

Construction Environmental Management Plan (CEMP: Biodiversity)

Project: Rear of 65 West Street, Warminster

Development: Single 4-bedroom detached dwelling

Status: Pre-commencement Requirement

1. Introduction

The purpose of this CEMP is to outline the practical measures required to protect the existing ecological features and ensure the successful delivery of the **13.85% Biodiversity Net Gain** during the construction phase. This plan must be read by the Site Manager and all sub-contractors.

2. Ecological Constraints & Risk Assessment

Feature	Risk Level	Potential Impact
Boundary Vegetation	High	Root compaction from heavy machinery or direct physical damage.
Nesting Birds	Medium	Disturbance or destruction of nests if site clearance occurs in spring.
Hedgehogs	Medium	Entrapment in open trenches or injury from site clearance.

Soil Quality	Medium	Contamination from fuel spills or compaction, preventing future habitat growth.
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3. Protection Measures (Pre-Commencement)

3.1 Root Protection Zones (RPZ)

Before any plant machinery enters the site, protective fencing must be installed around the perimeter vegetation to be retained.

- **Action:** Install **Heras fencing** at the drip-line of all boundary trees and shrubs.
- **Prohibition:** No storage of materials, fuel, or machinery within the RPZ.

3.2 Pre-Construction Clearance

- **Timing:** Vegetation clearance (primarily the modified grassland) should ideally take place between **September and February** to avoid the bird nesting season.
- **Ecological Clerk of Works (ECoW):** If clearance is required between March and August, a nesting bird check must be performed by a qualified ecologist 24 hours prior to works.

4. During Construction: "Working Biodiversity" Rules

4.1 Protection of Terrestrial Mammals (Hedgehogs)

- **Trench Safety:** Any trenches or pits must be covered at night OR provided with a **stout plank/ramp** (at a 45° angle) to allow any trapped animals to escape.
- **Pipe Capping:** All open-ended pipes (>150mm diameter) must be capped at the end of each working day.

4.2 Dust and Pollution Control

- **Run-off:** Silt traps must be used if any excavation occurs during high-rainfall periods to prevent silty water from entering the local drainage system.
- **Fuel Storage:** All fuels and chemicals must be stored in a **double-bunded tank** on a level, hard-standing area at least 10m away from the boundary vegetation.

4.3 Sensitive Lighting

- **Night Works:** No night-time construction is permitted.
- **Security Lighting:** Any temporary security lighting must be PIR-activated (motion-sensing), hooded, and directed away from the boundary hedgerows to protect foraging bats.

5. Habitat Creation (Landscaping Phase)

5.1 Soil Preparation

- The 585m² site area must not be over-compacted.

- In areas designated for **Urban Trees** and the **Native Hedgerow**, the soil must be "ripped" or loosened to a depth of 600mm prior to planting to ensure root establishment.

5.2 Implementation of SSSM Requirements

- **Native Hedgerow (25m):** Planted in a double-staggered row (5 plants per linear meter).
- **Urban Trees (3 qty):** Must be planted with underground root aeration systems to ensure long-term health in an urban environment.

6. Communication and Compliance

- **Site Induction:** All workers must be briefed on the presence of the "Hedgehog Highway" requirements and the "Root Protection Zones."
- **Emergency Contact:** In the event that a protected species (e.g., a Great Crested Newt or a bat) is found, all works in that area must stop immediately, and the project ecologist contacted.

