



Construction Environmental Management Plan

Bunting Gardens

Contract Name:	Bunting Gardens
Contract Address:	Bunting Gardens, Waterloooville,
Postcode:	PO8 9UW
Date:	17/12/24

CEMP Plan

Site Name:

Bunting Gardens

Ref No:

4550

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Construction Environmental Management Plan

	Date of Issue	Reason for Revision and Comments
1	12/02/24	
2	25/3/2025	Update following comments from Portsmouth Water.
Author	Alan Gruss	
Date	12/12/2024	

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1 Introduction

Purpose:	The objective of the CEMP is to mitigate environmental risks during construction.
Scope:	The works comprise of the construction of 3nr four-bedroom houses together with associated parking and external works. Date for Commencement of the Works: July 2024 Date for Completion: March 2025
Project Details:	The site is surrounded by residential properties including council owned masionettes, and former council owned houses, most of which are now privately owned. To the east of the site is Patrick Howard Dobson Court sheltered housing. The main site access will be by the way of Bunting Gardens via Swinburn Gardens. Bunting Gardens and Swinburn Gardens are very narrow residential streets with kerb side parking, and tight junctions

2. Legal and Regulatory Requirements

- A Summary of relevant environmental legislation and guidelines.
- Specific permits and licenses required for the construction activities.

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3. Environmental Management Roles and Responsibilities

- Outline the roles of personnel responsible for environmental management, including Site Manager, Environmental Officer, and subcontractors.
 - Reducing, water, energy and material consumption
 - Turning off non required electrical tools and lighting
 - Minimizing waster through practices like recycling
- Define lines of communication for reporting environmental incidents.

4. Environmental Risk Management

4.1 Management of Overland Runoff

- **Objective:** Minimize sedimentation, and pollution from surface water runoff.
- **Measures:** Use permeable materials for roadways, walkways etc. allowing rainwater to filtrate into the ground instead of running off
 - Regularly monitor heavy rainfall rainwater runoff from the site
 - Excavated topsoil and subsoil will be stockpiled separately to avoid cross-contamination. These stockpiles will be located in designated areas away from drainage lines and sensitive receptors, including any chalk formations.
 - All soil stockpiles will be appropriately covered using geotextile sheeting or similar impermeable materials to prevent erosion and sediment runoff, particularly during rainfall. Additionally, silt fences or straw wattles will be installed around stockpiles to control runoff.
 - Temporary surface water drainage systems will be installed where necessary to manage runoff during construction. These may include:
 - Interceptor drains at the base of stockpiles and site boundaries
 - Silt traps or settlement tanks prior to discharge
 - Bunds or swales to slow down flow and encourage sediment deposition
 - All collected water will be monitored and, where required, filtered or settled before being discharged to approved outfalls in compliance with local environmental regulations. Discharge locations and methods will be confirmed with the site-specific drainage strategy.
- **Monitoring:**
 - Conduct weekly inspections and after heavy rainfall.

4.2 Storage and Handling of Hazardous Materials

- **Objective:** Prevent spills, leaks, and contamination of soil and water resources.
- **Measures:**
 - Store hazardous materials in designated areas with secondary containment.
 - Keep Material Safety Data Sheets (MSDS) available for all hazardous substances on site.
 - Label all hazardous material containers clearly.
 - Limit storage to the quantities required for immediate use.
 - Develop and implement spill response procedures.

- **Monitoring:**
 - Weekly inspection of storage areas for leaks or damage.
 - Inventory checks to ensure proper storage practices.

4.3 Management of Chemicals and Hydrocarbons

- **Objective:** Prevent environmental harm from chemical and hydrocarbon use and storage.
- **Measures:**
 - Store fuel and lubricants in double-skinned tanks or with secondary containment.
 - Use drip trays during refueling or maintenance of machinery.
 - Train staff on safe handling and emergency spill response.
 - Maintain spill kits at easily accessible locations.
- **Monitoring:**
 - Regular checks for leaks or spills. – **Daily checks and before and after filling of machinery or bowsers.**
 - Ensure proper disposal of chemical and hydrocarbon waste through licensed contractors.

4.4 Ground Contamination and Remediation Procedures

- **Objective:** During construction, all site operatives will follow a clearly defined procedure for the identification and management of any previously unidentified contamination encountered during groundworks.
- **Measures:**

1. Identification of Suspected Contamination

- Site supervisors and groundworkers will be briefed on indicators of potential contamination, including:
 - Unusual staining or discoloration of soils
 - Strong or chemical odours
 - Presence of non-natural materials (e.g. buried waste, asbestos, drums)
 - Changes in soil texture or composition
- Any material suspected to be contaminated will be immediately reported to the Site Manager and Environmental Manager.

2. Immediate Response Procedures

- Works in the affected area will be paused and cordoned off to prevent further disturbance or spread.
- The material will be assessed visually and, if required, samples will be taken for laboratory analysis to confirm the nature and extent of the contamination.
- Relevant authorities (e.g. Environmental Health Officer, Environment Agency) will be notified where appropriate.

3. Handling and Disposal

- Confirmed contaminated materials will be:
 - Isolated and contained in a designated bunded and covered storage area

- Handled by appropriately trained personnel wearing suitable PPE
- Removed from site by a licensed waste carrier to an authorised disposal or treatment facility, in compliance with relevant waste regulations

4. Remediation Strategy

- Any required remediation actions will follow the site-specific Remediation Method Statement (if applicable), or will be developed in consultation with environmental consultants and regulatory bodies.
- Clean fill or suitable material will be used to reinstate the area once cleared and deemed safe.

5. Training and Communication

- All site operatives will receive toolbox talks and training on the procedures for recognising and responding to potentially contaminated material.
- The procedures will be incorporated into the Construction Environmental Management Plan (CEMP) and reviewed with all subcontractors.

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4.5 Temporary Drainage Infrastructure

- **Objective:** Ensure effective management of stormwater to prevent waterlogging and pollution.
 - **Measures:**
 - Permeable materials to be installed such as concrete, tarmac, type 1 limestone the benefit in this is to prevent waterlogging
 - **Monitoring:**
 - Measure sediment levels in storm water run-off, to make sure the effectiveness of the permeable material is adequate
 - Maintain logs of drainage system performance
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5 Emergency Spill Response Plan

- **Spill Response Procedure:**
 - Stop the source of the spill immediately if safe.
 - Contain the spill using spill kits, sandbags, or other materials.
 - Clean up and dispose of contaminated materials safely.
 - **Contact Information:**
 - Emergency contacts, including environmental authorities and waste disposal services.
Environment agency hotline 0800 80 70 60
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6 Training and Awareness

- **Objective:** Ensure all personnel understand their environmental responsibilities.
 - **Measures:**
 - Conduct induction training covering key environmental risks and CEMP procedures.
 - **Toolbox talks to be carried out and logged on Procore.**
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7 Monitoring, Reporting, and Review

- **Monitoring:**
 - Frequency and methods for inspecting environmental controls (e.g., visual inspections, testing).
 - **Reporting:**
 - Record-keeping for all inspections, incidents, and corrective actions.
 - Submission of periodic reports to relevant authorities.
 - **Review:**
 - Schedule regular reviews of the CEMP to incorporate lessons learned or regulatory changes.
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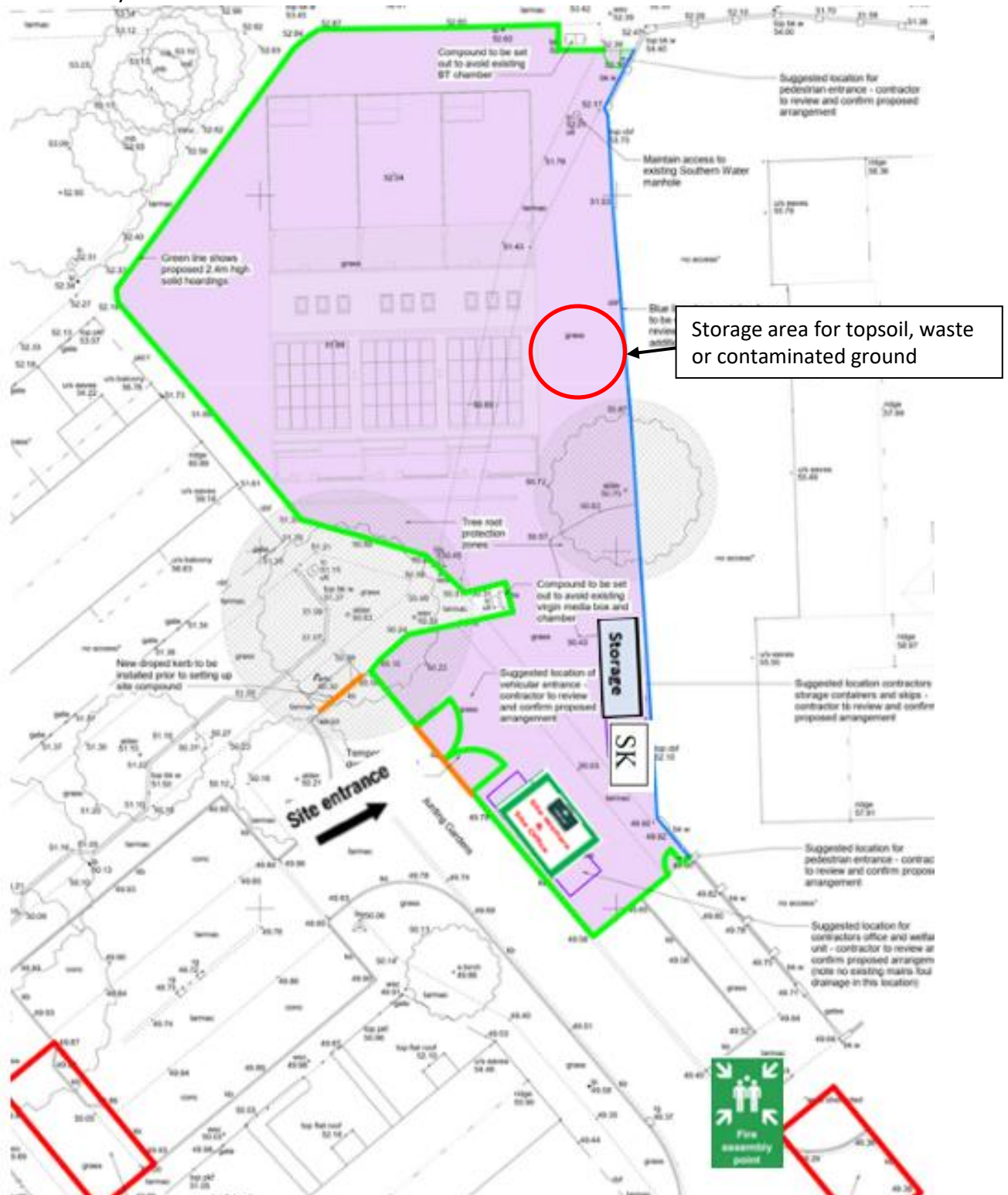
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- Site Map

- Site Layout



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