

Temporary Drainage Strategy

Hinckley – Construction Phase

This Temporary Drainage Strategy has been prepared to manage surface water during the construction phase of the Hinckley development and to ensure there is no increase in flood risk, no deterioration in surface water quality and no damage to the permanent drainage system, in accordance with Policy DM7 and the National Planning Policy Framework (2024).

During construction, surface water runoff will be managed to ensure that discharge rates and volumes do not exceed existing site conditions. Temporary falls and drainage routes will be formed to direct surface water away from excavations and working areas. Where required, temporary sumps or attenuation areas will be provided to control runoff during rainfall events.

Silt control measures, including silt traps, settlement tanks and geotextile filtration, will be installed prior to any discharge from the site to prevent sediment entering existing drainage systems, adjacent land or the public highway. Any pumped water will be filtered before discharge.

Permanent surface water drainage infrastructure installed during early phases will be protected from contamination and damage, and temporary drainage will be kept separate from the permanent system until it is fully installed and commissioned.

Temporary drainage measures will be inspected regularly and following periods of heavy rainfall, with maintenance carried out as necessary. These measures will remain in place until the permanent surface water drainage system is fully operational, at which point temporary measures will be removed in a controlled manner.

Temporary Drainage Strategy

Hinckley Development – Construction Phase

1. Introduction

This Temporary Drainage Strategy has been prepared to manage surface water during the construction phase of the development at **Hinckley**. The strategy ensures that construction activities do not increase flood risk, adversely affect surface water quality, or damage the permanent drainage infrastructure prior to its completion, in accordance with Policy DM7 and the National Planning Policy Framework (2024).

2. Site Context

The site is located within an urban environment and will be developed to include a care home, associated car parking, access works and adjacent infrastructure. Early works will comprise enabling works, drainage installation, car park construction and site access arrangements, including works adjacent to the adopted highway.

The site will experience periods of exposed ground and excavation during these early stages, increasing the potential for surface water runoff and sediment mobilisation if not appropriately managed.

3. Temporary Drainage Objectives

The temporary drainage strategy for the Hinckley site is based on the following objectives:

- To ensure no increase in surface water runoff rates or volumes leaving the site during construction.
- To prevent sediment, debris or pollutants entering the existing drainage network or adjacent land.
- To protect the permanent surface water drainage system until it is fully installed, commissioned and approved.
- To ensure construction activities do not adversely affect the public highway or neighbouring properties.

4. Temporary Surface Water Management Measures

The following measures will be implemented throughout the construction period:

- **Temporary falls and drainage routes** will be formed across the site to direct surface water away from excavations, foundations and working areas.
- **Temporary sumps and attenuation areas** will be provided as required during enabling, drainage and car park works to collect and control surface water runoff during rainfall events.
- **Silt control measures**, including silt traps, settlement tanks and geotextile filtration, will be installed prior to any discharge from the site.
- **Pumped water**, where necessary, will be filtered prior to discharge and will not be discharged directly into permanent drainage infrastructure unless approved.
- **Temporary bunding** will be installed around excavations, material stockpiles and sensitive areas to prevent uncontrolled runoff.
- **Wheel washing facilities** will be provided to minimise mud and debris being tracked onto the adopted highway.

5. Interface with Permanent Drainage and Highways Works

Where permanent drainage elements are installed during early phases:

- They will be protected from construction traffic and contamination.
- Connections will remain sealed until surrounding works are complete.
- Temporary drainage will be kept separate from the permanent system until it is ready for operation.

Where construction activities interface with **Section 278 highway works**, temporary drainage measures will ensure that no surface water runoff, silt or debris discharges onto the public highway or into highway drainage systems.

6. Pollution Prevention Measures

Construction activities will follow best practice pollution prevention procedures, including:

- Designated fuel and chemical storage areas with secondary containment.
- Spill kits available on site at all times.
- Immediate clean-up procedures for any spillages.
- Regular inspection and maintenance of temporary drainage infrastructure, particularly following heavy rainfall.

7. Inspection, Monitoring and Maintenance

- Temporary drainage measures will be inspected regularly and after periods of heavy rainfall.
- Any build-up of silt or debris will be removed promptly.
- Measures will be reviewed and adapted as the works progress through enabling, drainage and car park construction phases.

8. Transition to Permanent Drainage

Temporary drainage measures will remain in place until the permanent surface water drainage system serving the Hinckley development is fully installed, tested and operational. Temporary measures will then be removed in a controlled manner to avoid pollution or disturbance.