

Forest Gate Cable Route

**Surface Water Management Plan
(Construction)**

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**Surface Water Management Plan (SWMP)
(Construction)**

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Issue/ Revision	Prepared by	Date:	Reviewed by	Reviewed Date	Remarks
01	B Couch	9/10/2025			
02					
03					
04					

1.0 Introduction

The requirement for a Construction Surface Water Management Plan (SWMP) is based on the duty to ensure that surface water quality and quantity is managed throughout the construction process to mitigate impacts off site

JT Utilities is committed to ensuring that the measures contained within this SWMP are adhered to by all site personnel.

The works are being carried out by JT Utilities Ltd.

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2. Site Description

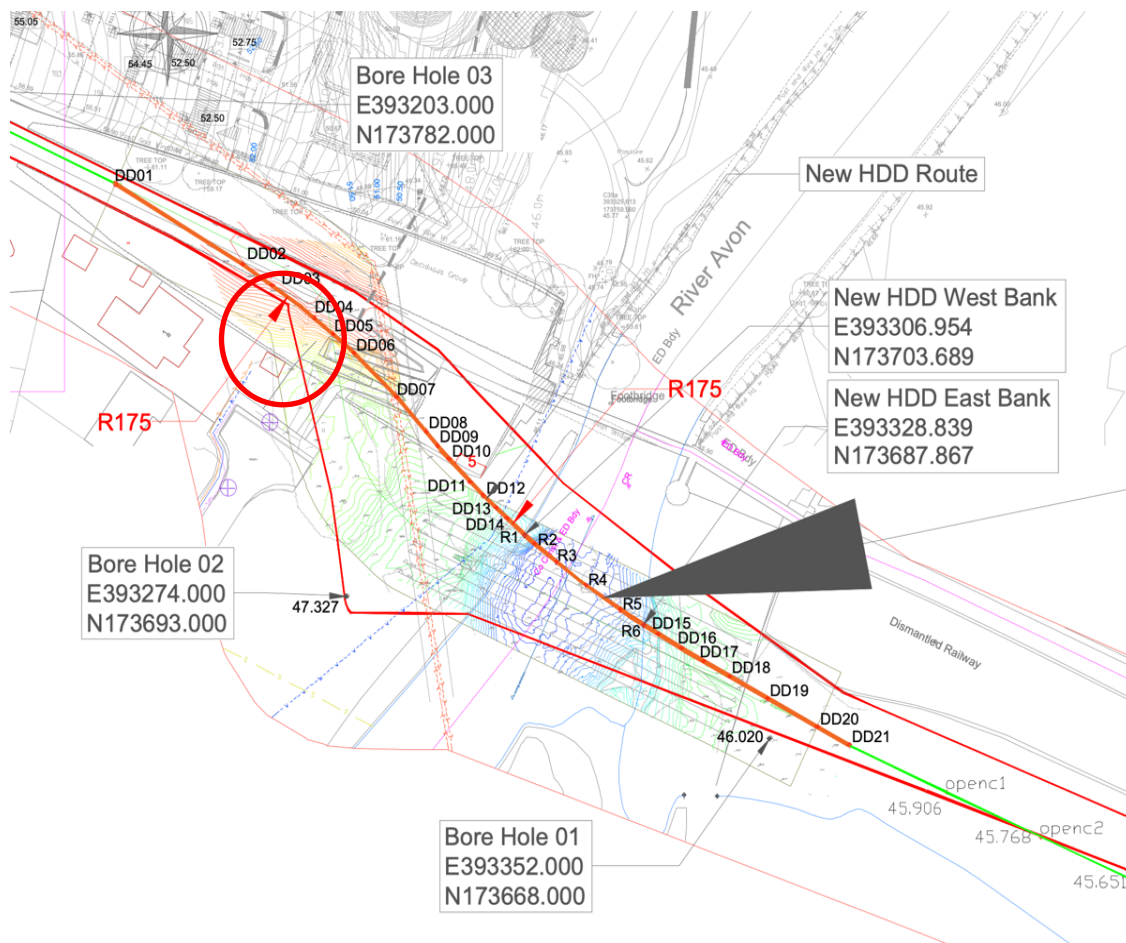
The site starts of in agricultural ground at the point of supply for a distance of, 1,310m, then in Stanley Lane for 155m, then in a track for 478, then a mix of agricultural and track for, 1,280m, then there is a HDD under the river Avon for 145m, followed by a sequence of HDD along the cycle path, a HDD take the duct up onto agricultural ground for a distance of 276m, It the crosse across a railway bridge onto Cocklebury Lane and into the substation.

3. Proposed Development

Excavation of a trench 500mm wide x 1200mm deep, and the installation of 1 x 225mm duct for HV cables and 1 x 110mm duct for the installation for a fibre optic cable. Horizontal Directional Drilling and the installation of 1 x 225mm duct for HV cables and 1 x 110mm duct for the installation for a fibre optic cable.

4. Location of Development

Flood Map:



5 Potential Sources of Pollution

The identified potential sources of pollution because of the construction, are as follows:

- Direct disturbance of banks and bed of rivers (for any temporary or permanent watercourse crossings).
- De-watering of excavations.
- Run-off from exposed ground and material stockpiles.
- Plant washings / washing areas.
- Fuel and chemical storage/ refuelling areas.
- Leaking / vandalised equipment.

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Alert Level	Definition	Action	Responsibility
Yellow – BE AWARE	Yellow warnings can be issued for a range of weather situations. Many are issued when it is likely that the weather will cause some low- level impacts, including some disruption to travel in a few places. Other yellow warnings are issued when the weather could bring much more severe impacts to many people but the certainty of those impacts occurring is much lower. It is important to read the content of yellow warnings to determine which weather situation is being covered by the yellow warning.	Assess warnings issued and inform site personnel of situation.	Project Manager Site Manager Site Operatives
Amber – BE PREPARED	There is an increased likelihood of impacts from severe weather, which could potentially disrupt your works plans. This means there is the possibility of travel delays, road and rail closures, power cuts and the potential risk to life and property.	Inform all personnel involved of progressing situation. Ensure site operations are expectant of potential situation. Ensure material, equipment, plant etc are situated in secure areas.	Project Manager Site Manager

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Red – TAKE ACTION	Dangerous weather is expected and, if you haven't already done so, you should take action now to keep yourself and your works force safe from the impact of the severe weather. It is very likely that there will be a risk to life, with substantial disruption to travel, energy supplies and possibly widespread. You should avoid travelling, where possible and follow the advice of the emergency services and local authorities.	Follow guidance above and that of emergency services and authorities	All
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6. Water Quality

The works shall be planned and executed in accordance with PPG5-Pollution Prevention Guidelines of the Environment Agency: Works and maintenance in or near water.

A summary of control measures to be adopted for the construction phase:

- The contractor should ensure that operations do not give rise to the discharge of dirty water into the watercourses. Where feasible, all silts will be removed from the system for disposal via silt traps, rather than allowing them to drain into the watercourses.
- Mixers and hand tools will not be washed off in or near the river/outfall.
- Water from excavations shall be pumped to land and allowed to settle, or passed through silt traps, before allowed to return to the watercourse.
- Good site management will ensure that surface water and that ground water will be protected from accidental contamination. Designated tool washing areas, bunded fuel tanks in designated areas c/w spill kits to hand. Toolbox talks will be given to employees and information regarding water quality will be provided during the site inductions.
- Portable toilets and sanitary facilities will be provided for site use. Plant will be re-fuelled at a minimum 20 metres away from the river/outfall. All site operatives will have immediate access to spill kits when machinery is being used.
- All appropriate reactive measures, spill-kits etc, will be available on site.

7. Legislation and Guidance

The Water Environment (England and Wales) regulation 2009
Land Drainage Act 1991
Methods
Control of Water Pollution from Construction Sites – Guide to Good Practice (SP156)
Control of Water Pollution from Construction Sites – Guidance for Consultants and Contractors (C532)
Control of Water Pollution from Linear Construction Projects – Technical Guidance (C648)
Control of Water Pollution from Linear Construction Projects – Site Guide (C649)
Environmental Good Practice – Site Guide (C650)
The SUDS Manual (C753)
BS 8582:2013 Code of practice for surface water management for development sites