Condition 18 – Temporary Surface Water Drainage During Construction

This method statement explains how surface water, run-off and silt will be managed during construction prior to the permanent drainage system being fully installed and operational.

1. Pre-commencement set-up and responsibility

The Principal Contractor/Site Manager will be responsible for implementing the temporary drainage measures prior to and throughout the construction phase. Temporary measures will be in place before groundworks commence.

2. Site drainage risk management approach

A 'clean water/dirty water' separation approach will be adopted. Clean runoff from undisturbed areas will be directed away from works. Runoff from disturbed areas will be treated as potentially silty ('dirty') and controlled accordingly.

3. Temporary falls, channels and cut-off drains

Temporary graded falls and shallow channels/cut-off drains will be formed to intercept and direct runoff away from excavations and stockpiles to designated treatment/attenuation points. Runoff will not be allowed to discharge onto neighbouring land or the public highway.

4. Temporary attenuation / storage (where required)

Where required, temporary attenuation (e.g. shallow storage area, tanking or proprietary units) will be used to reduce peak flows and prevent localised flooding during heavy rainfall events.

5. Silt and sediment control measures

Silt fences, straw bales, filter socks and/or proprietary silt traps will be installed where required at the downstream edge of disturbed areas. Stockpiles will be located away from flow paths and covered/stabilised where necessary.

6. Dewatering and pumped water management

Any pumped water from excavations will pass through settlement tanks/filtration prior to discharge. Discharge will be to an agreed location and will not cause erosion, siltation or pollution. If water quality cannot be achieved on site, it will be tankered off site by a licensed contractor.

7. Pollution prevention and protection of existing drainage

Existing gullies/manholes will be identified, marked and protected. Drain inlets will be sealed or fitted with silt protection during high-risk activities. No cementitious, oily or contaminated water will enter surface water or foul systems.

8. Inspection, maintenance and contingency

Temporary drainage and silt controls will be inspected daily during active earthworks and after rainfall. Blockages or damage will be rectified immediately. Temporary measures will remain until the permanent drainage system is installed and operational. A contingency plan (additional silt control, temporary pumping/attenuation, or suspension of works in extreme conditions) will be implemented during heavy rainfall forecasts.