



Drainage

Drain Water

A sump pump system requires a drain tile, filter, leakage plate, and a sump pump. These components are installed under the foundation, draining water outside. The sump pump sits in a circular hole in the floor, pumping water out through a pipe.

Common household drains include kitchen sinks, bathroom sinks, showers, tubs, laundry systems, and plumbing that connects different floors for proper drainage.

Outdoor Drainage

Once water exits a home or building, it enters an outdoor drainage system, typically connecting to a city or municipal sewer, which is emptied every 10 years.

We handle all outdoor drainage needs, including:

- ❖ **Slot Drains** – A thin, straight-lined opening that slopes to a central drain, ideal for parking areas, landscapes, and aquatic facilities.
- ❖ **Trench Drains** – A sloped trench leading to a drainage system, covered with grates for protection. HDPE trench drains are lightweight and easy to install but still require grates.

Outdoor Installation

An in-ground drainage system keeps water away from your home.

- ❖ **French Drain** – A trench is dug around the home, sloped downward with drainage tile placed over crushed rock. A perforated tile may include a rot-resistant sock sleeve to prevent clogging. The trench is covered with rock, fabric, and topsoil.
- ❖ **Footing Drain** – A pipe installed around a building's perimeter foundation collects and diverts water away. It is covered with gravel level to the ground surface.

Drainage System

- ❖ **Gutter Drainage System** – Gutters and downspouts direct rainwater from the roof away from the structure, used on most buildings.
- ❖ **Grading System** – Slopes land away from a building toward a storm sewer, following building code requirements.

Septic System

A septic system is an underground wastewater treatment structure, mainly used in rural areas without city sewer access. It includes:

- ❖ **Septic Tank** – Holds wastewater, allowing solids (sludge) to settle and oils/grease (scum) to float. A T-shaped outlet directs liquid wastewater to the drain field.
- ❖ **Drainage Field** – The treated water enters the soil, where bacteria naturally filter harmful substances.

Installation requires permits, which our experts handle. We select the best site, install and bury the tank and outlet pipe, and create the leach field. For more information or assistance, please contact us.



London Elite Trades limited

T: 020 3172 4720

E: info@londonelitetrades.co.uk

HEAD OFFICE

4th Floor, Silverstream House,

45 Fitzroy Street,

Fitzrovia, London,

W1T 6EB

Londonelitetrades.co.uk and London Elite Trades are trading names of London Elite Trades Ltd, a company registered in England and Wales. Company number: 10994476.