Below Ground Building Drainage

Agenda

09:15   Arrival – Registration / coffee / tea

09:30   Session 1: Drainage Principles
- Introduction- case study
- Drains and sewers: an explanation
- Types of drainage systems
- Functional requirements for drainage
- Falls, gradients and self-cleansing velocity
- Bedding for drainage pipes
- Points of access and inspection

11:15   Coffee / tea break (15 mins)

11:30   Session 2: Foul Drainage
- Determining discharge rates in foul systems
- Discharge stack connections/ use of stub stacks
- Intercepting traps and trapped gullies
- Ventilation of foul drainage systems including air admittance valves
- Grease from catering- how to deal with it and why

13:00   Lunch (60 mins)

14:00   Session 3: Surface Water Drainage
- Flood risk assessment and discharge rates in surface water systems
- Rainwater drainage system connections
- SUDS and attenuation requirements/ fast or slow water?
- Green or Blue roofs and rainwater harvesting
- Soakaways and infiltration systems including permeable paving
- Gullies and linear drainage products

For more information about this course contact the training team:

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15:00 Coffee / tea break (15 mins)

15:15 Session 4: Special applications, material types, testing and maintenance

- Petrol interceptors and separators- types and classes
- Septic tanks, cesspits and sewage treatment systems
- Basements- sump pumps, lift stations and anti-flooding valves
- Cavity drainage systems
- Fire-fighting lift drainage – what are the options?
- Drain pipe materials and fittings
- Testing and maintaining drainage systems
- References, bibliography and recommended reading.

16.00 - 16.30 Q & A