

Above Ground Building Drainage

10:00 Session 1 Introductions (Registration / declare expectations and backgrounds),
The history of drainage, BS EN 12056 Part1 – structure, concepts and terminology, Stack pressure profiles, offsets, filling degrees, system types and variations, alternative approaches, discharge units

11:05 *Drink and comfort break (15 mins)*

11:20 Session 2 BS EN 12056 Part2 – Sanitary pipework, layout and calculation. Calculation examples of a bathroom and kitchen and a block of flats, pipe sizing and ventilation options, flushability

12:30 *Lunch (30 mins)*

13:00 Session 3 BS EN 12056 Part3 – Roof drainage, layout and calculation. Rainfall in the UK, climate change, Stormwater and flooding issues, Hierarchy of disposal, SuDS, Limitations of BS EN 12056 Part3, syphonic systems, drainage chains, gutters, parapets, overflows and offsets. Simple calculation for 'normal' house, security and storm selection, 100-year storms and other infrequent events, combined and separate drainage systems

14:20 *Drainage 'walk' and drink and comfort break (25 mins)*

14:45 Session 4 Remaining Parts of BS EN 12056 and legislation. Problems with rainwater systems in real buildings. BS EN 12056 Part 4
Wastewater lifting plants. BS EN 12056 Part 5 Installation and testing, instructions for operation, maintenance and use. UK Building Regulations and other relevant legislation. Future developments?

15.30 - 15.40 Quiz

15.40- 15.50 Answers to Quiz

15.50-16.00 Any other questions

NOTE *Although the course will start at 10:00, all subsequent timings are estimates and will depend upon the degree of interaction and number of questions during the sessions.*

The course is content driven, and as group catering is not an issue, timing of breaks and subsequent sessions may vary from those shown above.

For more information about this course contact the training team:

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