

A close-up photograph of a brick wall. The bricks are reddish-brown with visible mortar joints. A prominent vertical crack runs down the center of the wall, separating a section of bricks on the left from the rest. On the right side, several green ivy leaves with prominent veins are growing, some with reddish stems. The overall scene suggests structural damage or decay in a building.

The dangers of building near trees

Building near trees on shrinkable soils, if not undertaken according to current guidance, can be a very costly business. NHBC's one-day course can help to minimise the dangers.

Building near trees

Are you interested in other NHBC courses?

If you would like further information on any of the courses listed below please complete the form overleaf, tick the relevant boxes and return to us at the address provided. Alternatively, you can call us on 0870 241 4323.

House building on contaminated land

A one-day course designed to familiarise builders with recent regulatory, legal and technical developments relating to the redevelopment of potentially contaminated land. Also advises on how to get the best value from regulators and specialist advisors. Open courses start in October or can be run on an in-company basis.

How to improve your EcoHomes scores

A one-day course giving an overview of the EcoHomes assessment process and providing the knowledge and skills you need to achieve the best possible EcoHomes scores. It offers practical help to those designing and specifying new, converted or renovated homes. Open courses start in October or can be run on an in-company basis.

Building Regulations and control

A one-day training course to provide managers and technical staff with a basic understanding of the Building Regulations and associated legislation. Open courses start in July or can be run on an in-company basis.

The problem

The consequences of building near trees on shrinkable soils can be disastrous if the appropriate guidance is not followed. Homeowners could find they have significant foundation or drainage problems due to subsidence or heave, and the resulting customer dissatisfaction can be very damaging to the reputation of both builders and designers.

Additionally, such significant damage is costly to rectify, can result in claims against the NHBC warranty (which may affect NHBC premium rating benefits) and may also affect the professional indemnity insurance of designers.



“An informative one-day workshop presented by friendly and professional experts who invoked a good atmosphere with plenty of interaction. Would recommend this course to anyone who is involved with the design and installation of house foundations.”

James Farnsworth, Engineer, Roger Bullivant Limited.

How can NHBC help you to get it right?

This one-day course provides an in-depth review of what you need to know about the problem and the current NHBC guidance (including its background and philosophy), that provides the solutions. This information has the potential to help your business to save money, time and to improve it's knowledge.



Save money

Designs that comply with the NHBC Standards, and which are then implemented correctly on site, minimise the risk of costly damage due to heave and subsidence.

Save time

By fully understanding NHBC's requirements, the risk of outstanding conditions on a site approval are reduced, thereby minimising the delays in NHBC giving final approval and handing over properties to be sold.



Improve knowledge

Consultants and builders' engineers will be able to apply the guidance correctly, identify situations requiring site-specific assessments and recognise the need for good workmanship to meet design expectations.

How will you benefit from this course?

At the end of this course you will:

- understand the effects of trees and other vegetation (e.g. shrubs) on shrinkable soils
- be aware of the current guidance in NHBC Standards Chapter 4.2 building near trees and be able to use it
- understand the philosophy of the prescriptive guidance in Chapter 4.2 and where site-specific assessment is needed
- be aware of techniques for the assessment of soil desiccation and heave potential
- know what is required for 'engineer-designed' solutions and understand the limitations of deep trench fill
- know when and how to use the modified plasticity index to determine soil volume potential.

Who should attend?

Engineering consultants, technical managers, specialist consultants, development engineers and designers, site engineers and building control professionals working in house building.

Builders may find it useful to attend the course with their appointed consultants to gain a full awareness of NHBC requirements and how inappropriate or non-compliant design can directly impact on their business and the sale of homes.

Trainers

The course is run by senior members of NHBC Engineering. All trainers are Chartered Civil Engineers with many years of experience.



Learning styles

Sessions are a mixture of lecture-based presentations, case studies and worked examples.



To make your booking please use the booking form attached. If you would like further information please contact Leah O'Donnell on **0870 241 4323** or at lodonnell@nhbc.co.uk.

Course content

Introduction - the need for guidance and the evolution of Chapter 4.2 guidance

Soil properties - an examination of the principal soil properties influencing volume change in clay soils and how they are measured

The guidance - an in-depth review of the contents of Chapter 4.2

Site-specific assessments - 'Engineer-design' considerations related to deep trench fill foundations

Desiccation and heave potential - techniques for detecting/assessing clay desiccation and calculating heave potential

Duration and costs

- One day (the training day runs from 09.00 to 16.30).
 - £260 + VAT per person including foundation depth calculator, colour copy of Chapter 4.2, course notes, heave data sheet, certificate of attendance, lunch and refreshments.
- In-company courses tailored for site managers are also available. Please contact Louise Heal on 0870 241 4323 for further details.



Dates and venues

Location	Chelmsford	Bristol	Selby	Wigan	Milton Keynes	Basingstoke	Birmingham	Maidstone
Date	10 May 05	17 May 05	24 May 05	25 May 05	08 Jun 05	15 Jun 05	22 Jun 05	29 Jun 05

Course booking form – Building near trees

WEB

Course and delegate information (PLEASE WRITE IN BLOCK CAPITALS)

Please write the date and venue of the course you would like to attend, together with the details of those attending.

Delegate details

Venue	Date	Title	First name	Surname	Job title

Company details

Contact name: _____

Job title: _____

Company name: _____

Company address: _____

Postcode: _____

Tel: _____

Fax: _____

Email: _____

Payment methods (please tick as appropriate)

I enclose a cheque for £ _____ (Please make cheque payable to NHBC)

Please debit my VISA / MasterCard (delete as applicable) For the sum of £ _____ (including VAT)

Card number:

Valid from: / Expiry date: /

Cardholder's name: _____

Cardholder's signature: _____

Date: _____

I am a registered NHBC house builder/developer. Please send me an invoice for the sum of £ _____

Please send me a VAT receipt

NHBC Registration number (if known): _____

Please note that if you are not an NHBC registered builder/developer you will need to pay by cheque or VISA/MasterCard. You will then be sent a receipted invoice.

Data Protection Act 1998 (This Notice only applies to individuals and not to limited companies).

NHBC is the data controller. We store the details you supply for administration purposes and sales analysis. By completing and returning this form you agree to NHBC processing your data. If you do not wish to be approached, please tick the appropriate box(es).

In the future we may contact you for research purposes or to keep you informed of NHBC products and services that may be of interest to you. If you do not wish to be contacted by NHBC please tick the box

NHBC may also pass your details to carefully selected third parties who may contact you with free publications and selected offers that they believe may be of interest to you. If you do not wish your details to be passed on to third parties please tick the box

Please complete and fax back to NHBC Training Services on 0870 241 4324 or return to:
NHBC Training Services, Ash House, Breckland, Linford Wood, Milton Keynes, Bucks MK14 6ET.

Your details

Title:

First name:

Surname:

Job title:

Company name:

Address:

Post to:

NHBC Training Services
Ash House, Breckland, Linford Wood, Milton Keynes, Bucks MK14 6ET

Postcode:

Email:

Please send me details of other NHBC courses when available (tick as appropriate)

House building on contaminated land

How to improve your EcoHomes scores

Building Regulations and control

or call us:

Tel: 0870 241 4323 and quote code.

WEB

Terms and conditions

Payment

Payment may be made with the booking form or if you are an NHBC registered builder or developer we can issue an invoice.

If requesting an invoice our terms are 30 days from the date of invoice.

Cancellations

In the case of a cancellation the following scale of charges will apply:

Cancellation notice	Charge
■ Failure to attend	100% of fee
■ Less than 10 working days	100% of fee
■ Less than 20 working days (but more than 10)	50% of fee
■ Less than 30 working days (but more than 20)	30% of fee
■ More than 30 working days	Full refund

Notice of cancellation must be made in writing to NHBC Training Services at the address below.

NHBC reserves the right to cancel a course at any time. Where we do this delegates will be offered a free transfer to another course or date, or a full refund.

Transfers/substitution

- Within the six-week period preceding the start of a course, NHBC is unable to transfer a reservation to a different course or date free of charge, as it is seldom possible to arrange attendance of a replacement at such short notice. Such a transfer will be subject to a transfer charge of 30% of the course fee. Subsequent cancellation of the transferred booking, at any time, will result in the full course fee being charged.
- Replacement delegates can be accepted on a course at any time.



NHBC

Ash House, Breckland, Linford Wood, Milton Keynes, Bucks MK14 6ET

Tel: 0870 241 4323 Fax: 0870 241 4324 www.nhbcbuilder.co.uk

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