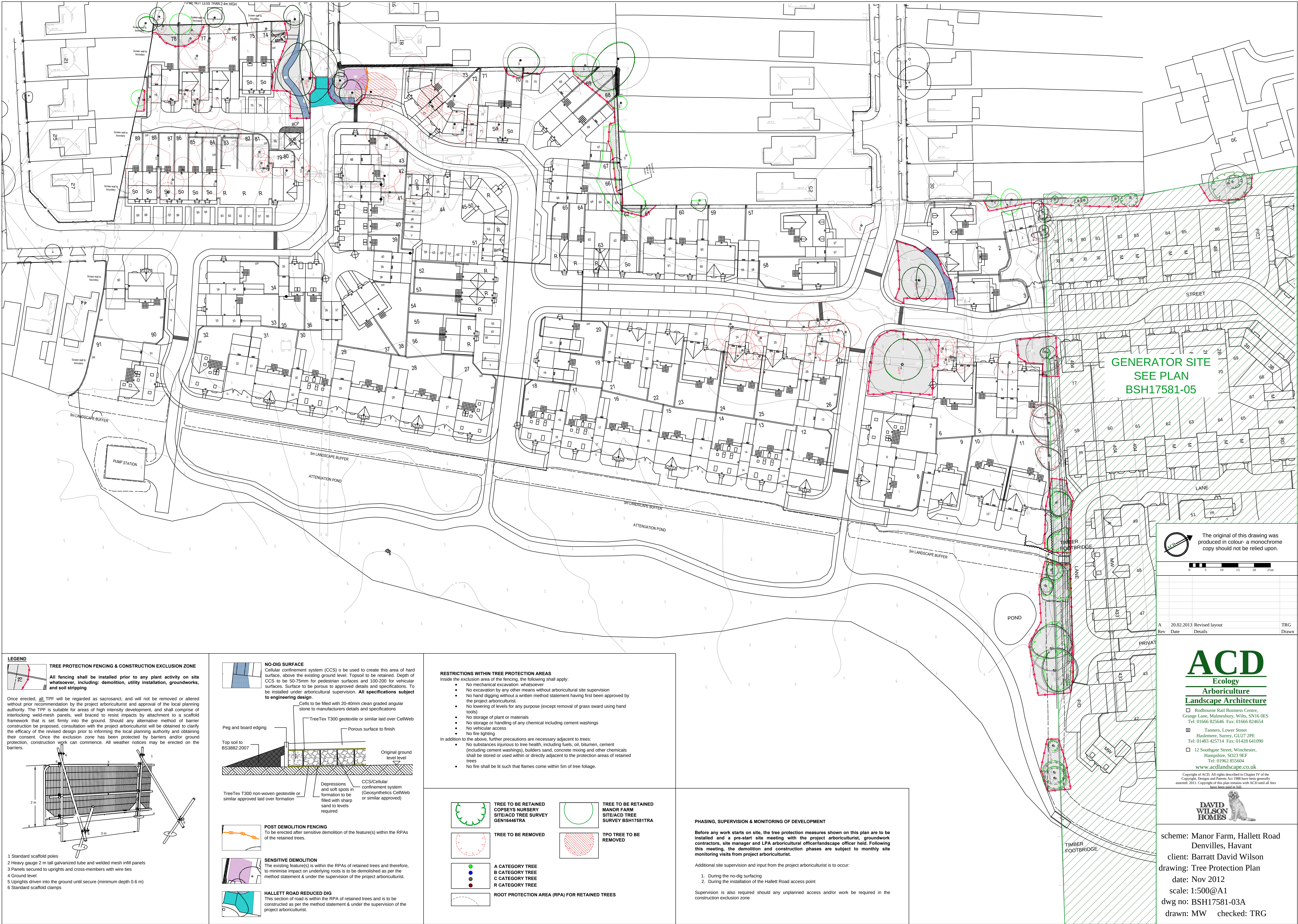




The original of this drawing was produced in colour - a monochrome copy should not be relied upon.

0 5 10 15 20 25m

A	20.02.2013	Revised layout	TRG
Rev	Date	Details	Drawn

ACD

Ecology
Arboriculture
Landscape Architecture

□ Rodbourne Rail Business Centre,
Grange Lane, Malmesbury, Wilts, SN16 0ES
Tel: 01666 825646 Fax: 01666 824654

☒ Tanners, Lower Street
Hadlemere, Surrey, GU27 2PE
Tel: 01483 425714 Fax: 01428 641090

□ 12 Southgate Street, Winchester,
Hampshire, SO23 9EF
Tel: 01962 855604
www.acdlandscape.co.uk

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scheme: Manor Farm, Hallett Road
Denvilles, Havant

client: Barratt David Wilson

drawing: Tree Protection Plan

date: Nov 2012

scale: 1:500@A1

dwg no: BSH17581-03A

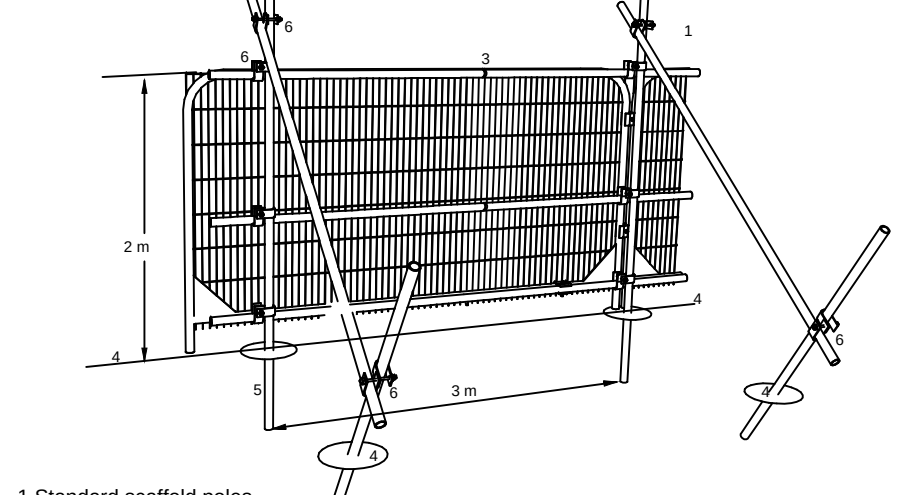
drawn: MW checked: TRG

LEGEND

TREE PROTECTION FENCING & CONSTRUCTION EXCLUSION ZONE

All fencing shall be installed prior to any plant activity on site whatsoever, including: demolition, utility installation, groundworks, and soil stripping

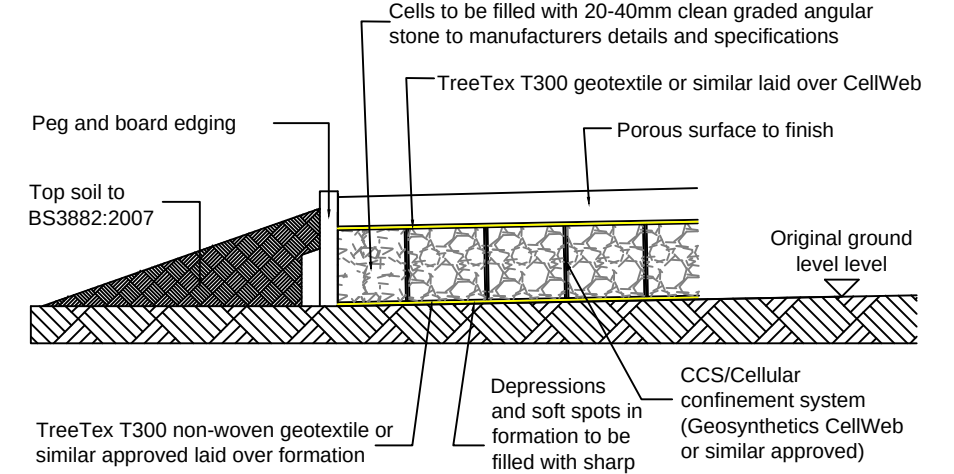
Once erected, the TPF will be regarded as sacrosanct, and will not be removed or altered without prior recommendation by the project arboriculturist and approval of the local planning authority. The TPF is suitable for areas of high intensity development, and shall comprise of interlocking weld-mesh panels, well braced to resist impacts by attachment to a scaffold framework that is set firmly into the ground. Should any alternative method of barrier construction be proposed, consultation with the project arboriculturist will be obtained to clarify the efficacy of the revised design prior to informing the local planning authority and obtaining their consent. Once the exclusion zone has been protected by barriers and/or ground protection, construction work can commence. All weather notices may be erected on the barriers.



- 1 Standard scaffold poles
- 2 Heavy gauge 2 m tall galvanized tube and welded mesh panels
- 3 Panels secured to uprights and cross-members with wire ties
- 4 Ground level
- 5 Uprights driven into the ground until secure (minimum depth 0.6 m)
- 6 Standard scaffold clamps

NO-DIG SURFACE

Cellular confinement system (CCS) to be used to create this area of hard surface, above the existing ground level. Topsoil to be retained. Depth of CCS to be 50-75mm for pedestrian surfaces and 100-200 for vehicular surfaces. Surface to be porous to approved details and specifications. To be installed under arboricultural supervision. All specifications subject to engineering design.



Peg and board edging

Top soil to BS3882:2007

TreeTex T300 non-woven geotextile or similar approved laid over formation

Original ground level

CCS/Cellular confinement system (Geosynthetic CellWeb or similar approved)

Depressions and soft spots in formation to be filled with sharp sand to levels required

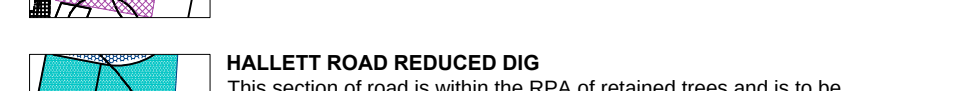
POST DEMOLITION FENCING

To be erected after sensitive demolition of the feature(s) within the RPAs of the retained trees.



SENSITIVE DEMOLITION

The existing feature(s) is within the RPAs of retained trees and therefore, to minimise impact on underlying roots is to be demolished as per the method statement & under the supervision of the project arboriculturist.



HALLETT ROAD REDUCED DIG

This section of road is within the RPA of retained trees and is to be constructed as per the method statement & under the supervision of the project arboriculturist.

RESTRICTIONS WITHIN TREE PROTECTION AREAS

Inside the exclusion area of the fencing, the following shall apply:

- No mechanical excavation whatsoever
 - No excavation by any other means without arboricultural site supervision
 - No hand digging without a written method statement having first been approved by the project arboriculturist.
 - No lowering of levels for any purpose (except removal of grass sward using hand tools)
 - No storage of plant or materials
 - No storage or handling of any chemical including cement washings
 - No vehicular access
 - No fire lighting
- In addition to the above, further precautions are necessary adjacent to trees:
- No substances injurious to tree health, including fuels, oil, bitumen, cement (including cement washings), builders sand, concrete mixing and other chemicals shall be stored or used within or directly adjacent to the protection areas of retained trees
 - No fire shall be lit such that flames come within 5m of tree foliage.

TREE TO BE RETAINED
COPESEYS NURSERY
SITE/ACD TREE SURVEY
GEN16446TRA

TREE TO BE RETAINED
MANOR FARM
SITE/ACD TREE SURVEY
BSH17581TRA

TREE TO BE REMOVED

TPO TREE TO BE REMOVED

A CATEGORY TREE

B CATEGORY TREE

C CATEGORY TREE

R CATEGORY TREE

ROOT PROTECTION AREA (RPA) FOR RETAINED TREES

PHASING, SUPERVISION & MONITORING OF DEVELOPMENT

Before any work starts on site, the tree protection measures shown on this plan are to be installed and a pre-start site meeting with the project arboriculturist, groundwork contractors, site manager and LPA arboricultural officer/landscape officer held. Following this meeting, the demolition and construction phases are subject to monthly site monitoring visits from project arboriculturist.

Additional site supervision and input from the project arboriculturist is to occur:

1. During the no-dig surfacing
2. During the installation of the Hallett Road access point

Supervision is also required should any unplanned access and/or work be required in the construction exclusion zone