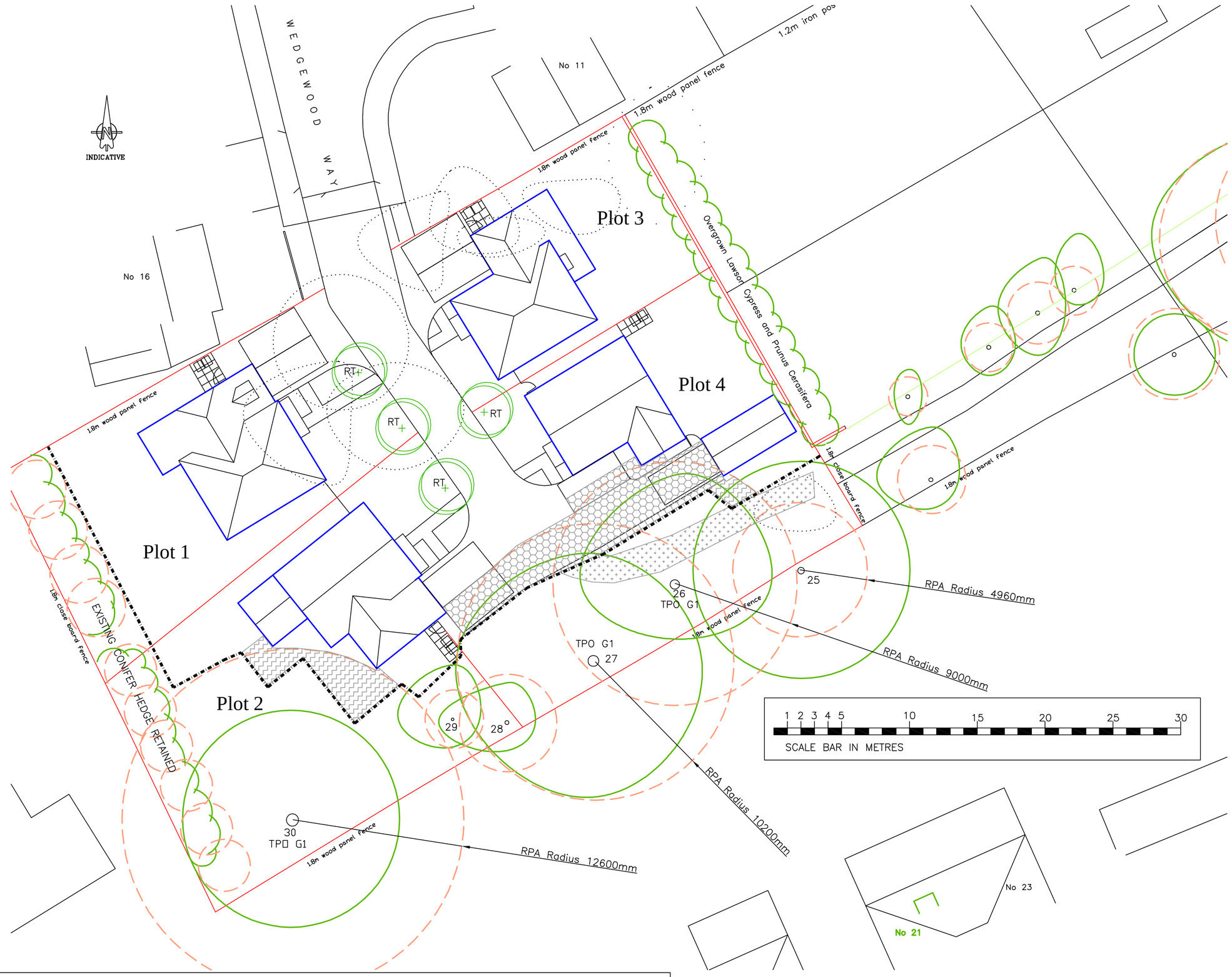



## SCHEDULE (all detail if applicable to this drawing.)

TREE PROTECTION FENCING

EXISTING TREES RETAINED (surveyed-accurate canopies)

EXISTING TREES to be REMOVED (surveyed-accurate canopies)
CANOPIES ARE NOT DEPICTED FOR FELL CATEGORY TREES.

ROOT PROTECTION AREA WITH RADIUS

ina INACCESSIBLE

ARBORICULTURAL DATA FOR THE CALCULATION OF ROOT PROTECTION AREAS AND CANOPIES HAS BEEN TAKEN FROM A SURVEY PRODUCED BY THIS PRACTICE. THIS SURVEY WAS ORIGINALLY TAKEN UNDER BS5837:2005 BUT WHERE NECESSARY THE INFORMATION HAS BEEN RETAKEN OR RE CALCULATED TO ACCORD WITH BS5837:2012. ROOT PROTECTION AREAS ARE DEPICTED AS REGULAR CIRCLES, BUT THE EXACT SHAPE MAY BE MODIFIED BY LOCAL SITE CONDITIONS SUCH AS BUILDINGS, DRIVES AND EARTHWORKS.

## SPECIAL MEASURES

AREA OF NO-DIG CONSTRUCTION USING A THREE DIMENSIONAL CELLULAR CONFINEMENT SYSTEM. WE RECOMMEND THE USE OF CELLWEB TRP™ OR SIMILAR AS A CELLULAR CONFINEMENT SYSTEM FOR NO-DIG SITUATIONS. THE SITE IS CONSIDERED EMINENTLY SUITABLE FOR NO DIG CONSTRUCTION DUE TO THE LEVEL NATURE OF THE TOPOGRAPHY. CELLWEB IS PRODUCED BY: GEOSYNTHETICS LIMITED 01455 617139, WWW.GEOSYN.CO.UK.

GEOSYNTHETICS WILL PRODUCE A SITE SPECIFIC METHOD STATEMENT INCLUDING A FULL SPECIFICATION.

PRIOR TO INSTALLATION OF THE NO DIG SOLUTION, THE AREA IS TO BE PROTECTED BY HEAVY DUTY SPECIAL SURFACE PROTECTION FOR CONSTRUCTION VEHICULAR ACCESS DURING THE DEMOLITION AND CONSTRUCTION PROCESS SUCH AS EVE TRAKWAY OR SIMILAR GROUND PROTECTION SYSTEM.

AREA OF EXISTING SURFACE OR STRUCTURES TO BE REMOVED FROM WITHIN ROOT PROTECTION AREAS IN ACCORDANCE WITH THE METHOD STATEMENT AND TIMING OF WORKS

AREA OF SPECIAL SURFACE PROTECTION FOR PEDESTRIAN ACCESS OVER RPAs DURING CONSTRUCTION IN ACCORDANCE WITH BS5837:2012 PARAGRAPH 6.2.3.3.a. - i.e A SINGLE LAYER OF SCAFFOLD BOARDS ON TOP OF A 100mm DEPTH OF WOODCHIP LAID ONTO A GEOTEXTILE MEMBRANE.

RT

REPLACEMENT TREE PLANTING:
PYRUS CALLERYANA CHANTICLEER
CONTAINER GROWN 12/14cm GIRTH
HEAVY STANDARD - 3 to 3.5m HIGH.

THE REMOVAL OF ANY IVY FROM RETAINED TREES MUST BE SUPERVISED BY AN ECOLOGIST.

This drawing illustrates the site for Arboricultural purposes only.
For all other details such as setting out and the position of existing structures and other features, the relevant drawing should be consulted.

## METHOD STATEMENT AND TIMING OF WORKS.

Following written LPA approval of the Tree Protection detail, all approved tree works and felling are to be carried out in accordance with the Arboricultural Survey and their completion approved by the appointed Arboricultural Consultant prior to the erection of the protective fence. The LPA Arb Officer is to be notified of the intention to carry out the works and invited to attend during their implementation. All works are to carried out by skilled operatives in accordance with BS 3998 'Recommendations for Tree Work' and all relevant Health & Safety standards and Statutory Law. Prior to commencement of works the Arboricultural Contractor must submit written proof of appropriate and valid public liability insurance, along with a full working method statement and risk assessment.

Following works to retained trees and any felling, Tree & landscape protection fencing and any special ground protection measures are to be implemented in accordance with approved detail prior to any other works on site. Fencing is to be erected in accordance with this drawing and is to be approved by the appointed Arboricultural Consultant prior to commencement of any works on site. Prior to commencement of any other work on site the LPA Arb Officer is to be notified that the Protective fencing has been erected and invited to attend site if the Officer so desires,

Construction may only commence once the Arboricultural Consultant and/or the LPA Arb Officer have given full approval of the above items. The appointed Arboricultural Consultant will visit site at a frequency to be agreed with the LPA to inspect the Tree Protection Fencing.

Where the existing drive lies within Root Protection Areas it is to remain in place during the entire construction process and is to be removed as one of the last acts of the construction process. The work is to be carried out under Arboricultural Supervision. It should be removed by machine standing on the drive The machine will work travelling backwards while standing on the existing hard surface to prevent root compaction. Care will be taken so as not to disturb the soil immediately beneath any existing surface to be removed. Arising debris must be transported to a suitable receptacle or "muck-away" truck stationed outside of the root protection area or on the existing hard surface. Where the area is to become soft landscape, topsoil will be spread by hand using wheel barrows to transport the soil over the area.

During demolition and construction none of the following must be breached at any time:

All approved works within or around the protected areas will be carried out in accordance with BS 5837:2012. A copy of this is to be included within the site information pack to be handed to the Site Manager. All works involving digging below ground level for the erection of the protective fencing must not cause any damage to existing tree roots.

At no time will the approved alignment of the fencing be altered and no section of fencing taken down without prior approval from the Arboricultural Consultant. Any alterations or removal must be agreed with the Arboricultural Consultant or Planning Authority Tree Officer prior to carrying them out.

No materials, equipment or plant machinery will be stored within the protected area.

No fires are to be lit within the protected area, or within 25m of existing trees.

The protected area is not to be used as a working area, no materials are to be mixed or partially constructed in this area.

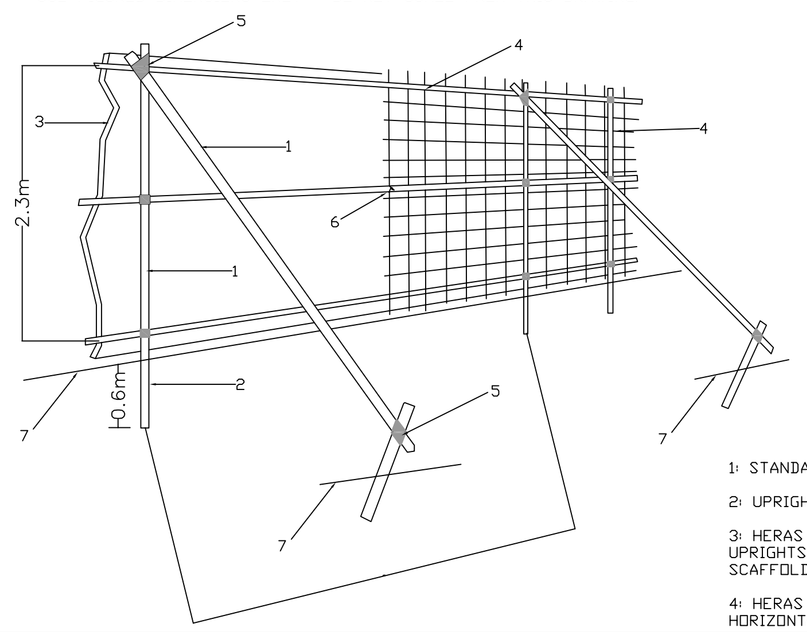
Ground levels within the protected area are not to be altered. Where construction has been approved on a 'no dig' basis, the specification must be in accordance with the Bourne Landscape Consultants Method Statement which formed part of the impact assessment for this development.

Signage will be attached to the fencing stating 'Tree & Landscape Protection Fencing - DO NOT move or dismantle for any reason'.

All fencing and signage will be checked on a daily basis by the Site Manager. Any breech of the protected area or damage to the retained trees must be logged, photographed and reported to the Main Contractor who will make repairs to the fencing immediately and consult a qualified Arboriculturalist if trees are inadvertently damaged.

## TREE PROTECTION FENCING. NOT TO SCALE

USE FIGURED DIMENSIONS ONLY - DO NOT SCALE FROM THIS DRAWING.




1: STANDARD SCAFFOLD POLES

2: UPRIGHTS DRIVEN INTO GROUND

3: HERAS PANELS SECURED TO UPRIGHTS WITH WIRE TIES OR SCAFFOLD CLAMPS IF REQUIRED

4: HERAS WIRED TO UPRIGHTS AND HORIZONTALS

5: STANDARD CLAMPS

6: WIRE TWISTED AND SECURED ON INSIDEFACE OF FENCE TO AVOID EASY DISMANTLING

7: GROUND LEVEL

## NOTES

- It is proposed that static heras fencing is used to protect trees within the development area in accordance with BS 5837
- 3000 x 2000mm galvanised steel heras fence panels to be used.
- All panels to be secured to 3000mm long steel scaffolding tubes using 4no. heras clips per unit. All clips to be secured tightly to avoid movement and reduce potential for vandalism or theft.
- 3000mm scaffolding tubes are to be driven into the ground to a depth of 600mm, and fixed with cross pieces and rear bracing to resist impact in accordance with the BS.
- Where present tarmac must be removed by hand dig ONLY. No heavy plant machinery will be used during the erection of the tree protection fencing to ensure the safety of the trees and associated root zones.
- Once erected these zones must not be violated, except when carrying out hand dig works as specified in the Tree protected area - Working Method Statement.

| | |
|---|---|
| Rev B Nov 2013: | No-Dig area extended on plot 4 Drive. |
| Rev A Nov 2013: | Revised to accord with amended layout and comments from LPA Tree Officer. |


Bourne Landscape Consultants
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01252 712448
DESIGN, CONSULTANCY, ARBORICULTURAL AND ECOLOGICAL SURVEYS


CLIENT: PEAK QUALITY HOMES

SITE: 53 HART PLAIN AVENUE, COWPLAIN, HANTS.

TITLE: TREE PROTECTION

SCALE: 1:200 on original A1

DATE: 27/03/13

NUMBER: BLC130148

REVISION: B

DRAWN: JAG

Copyright reserved. All dimensions to be checked on site not scaled from drawing.