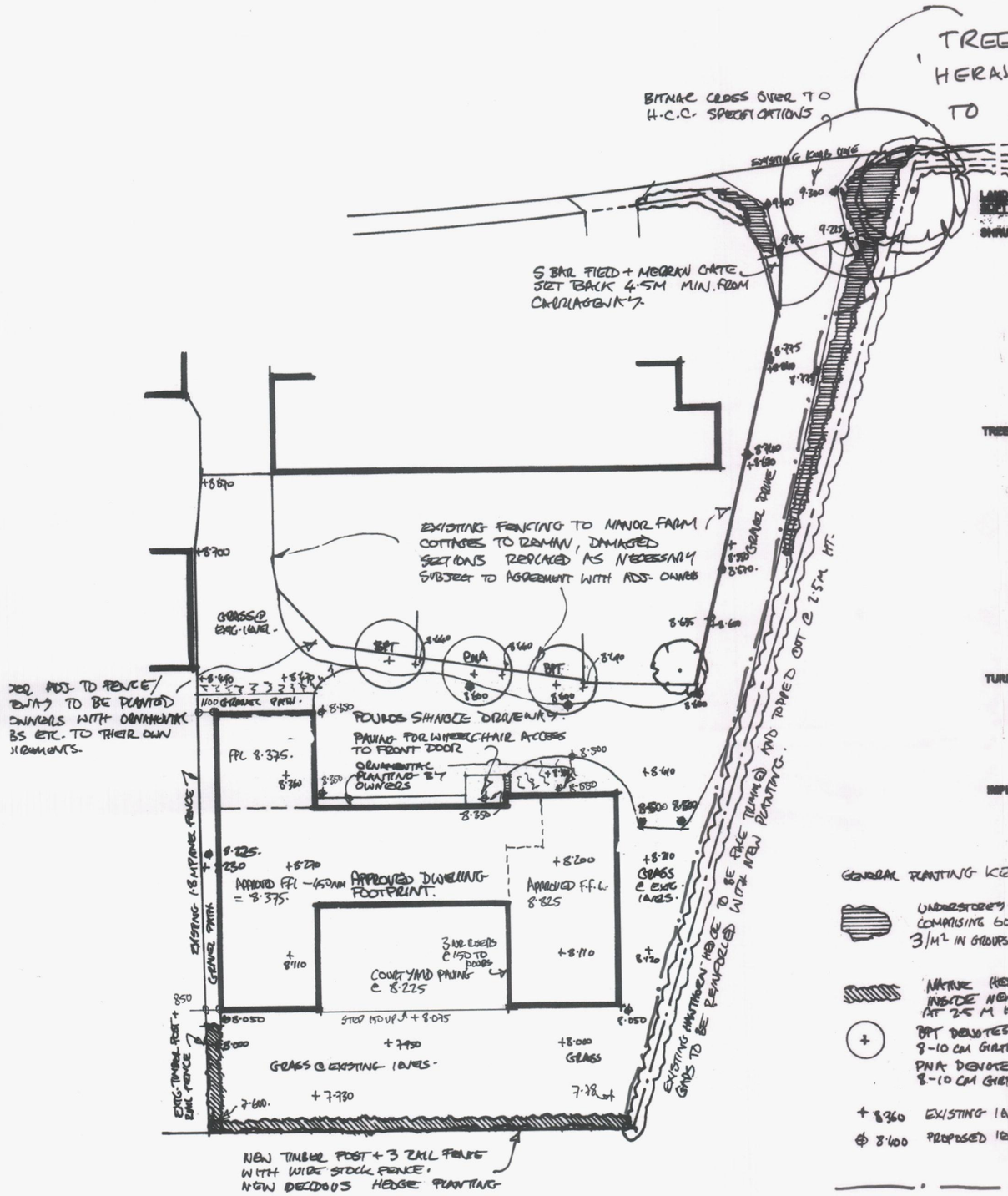
TREE PROTECTION
'HERAS' TYPE ON SCAFFOLD FRAMING
TO BS 5837 : 2012

HAVANT BOROUGH COUNCIL
03 OCT 2014
RECEIVED




**LAND PRODUCTS**
**SOFT LANDSCAPE SPECIFICATION**

**SHRUBS**
Thoroughly break up formation beds (subsoil) to a depth of 30cm prior to the placing of topsoils by cross ripping or other suitable methods taking care to avoid damage to services, edgings, paths or any structures.
Place medium loam topsoil in accordance with BS 3882 to a minimum depth of 40cm – soil to be placed in two layers each layer to be lightly consolidated prior to the placing of the next, all site operations and soil handling to conform to BS 4428 Code of practice for General landscaping Operations.
Cultivate topsoil to a depth of 20cm and remove any stones or other debris larger than 50mm in any one direction during cultivation - hand methods only to be used within the root spread of existing trees to be retained. Incorporate 50mm of soil improver/compost in accordance with PAS 100 into soils during cultivation. Spread slow release fertiliser across planting areas at a minimum rate of 5gm per m². Incorporate Broad leaf P4 water retaining Granules into topsoil at manufacturers recommended rates before Planting.
Plant shrubs to same depth as soil level within container or nursery soil mark. Bare root stock may be notch planted where appropriate.
Water in all planting, thoroughly soaking the soils prior to placing Mulch.

**TREES**
Install 600mm proprietary continuous root barrier system where any tree is within 3m of a Publicly Maintained hard surface or other hard surface used by pedestrians. Excavate tree pit to a minimum size of 60cm square by 90cm deep forking over base to ensure adequate drainage. Pits for root balled and container grown stock to be excavated 25cm wider and 15cm deeper than the root ball. Back fill tree pit with 1 part soil conditioner (TPMC) and two parts good quality topsoil and incorporate 100gms of slow release fertilizer within pit. Tree to be planted to the same depth as nursery soil mark on stem.
Stake length above ground to be one third the overall height of the tree with single tie and rubber spacer. Nails to be to BS 1201.
12-14cm trees and above supported by two 75mm of stakes one each side of the tree with either double straps (ties) or timber cross bar with straps and spacer holding the stem in position). Stake heights to be one one third the overall bare stem of the tree. 60cm high spiral rabbit guard to be placed around the tree stem where specified. Where specified tree to be supported by underground guying system using either cables secured to patent anchoring systems or dead man (conc.kerbs or timbers). 36mm or 50mm watering irrigation pipes to be incorporated within each tree pit and wrapped around the root system with one end of the pipe 75mm clear of the finished soil levels.
All shrubs and trees to be in compliance with the relevant part of BS 3936.
Following planting trees to be watered in thoroughly saturating the ground with a min of 50mm of mulch placed across the tree circle 600 mm in diameter.

**TURF**
to BS 3969: 1998
Lay specified turf with a minimum of delay following lifting of turves. Do not allow for turf to remain stacked on site for longer than 24 hours. Do not lay turf during periods of drought, cold and drying winds. All turf to be laid working from planks and individual turfs to be laid forming broken joints, well butted up with joints filled by brushing across the surface with finely sifted soil/sand/compost mixtures. Thoroughly water all turf immediately after laying.
Ensure turf is regularly watered to prevent drying out until established.
Turf laid on slopes should be laid diagonally across the slope and pegged in place.

**IMPLEMENTATION**
All turfing and shrub planting to be completed immediately upon completion of building works unless delayed by exceptional periods of drought or penetrating frost. Trees and bare root plants to be planted in the first planting season December to March following completion of the building.

GENERAL PLANTING KEY.

UNDERSTOREY MIX AS SCHEDULE GENERATING COMPRISING 60-90CM B.R. PLANTED @ 3/M² IN GROUPS OF 3-5 OF EACH VARIETY.

NATIVE HEDGE MIX PLANTED INSIDE NEW FENCE - TO BE MAINTAINED AT 2.5 M HEIGHT.

BPT DENOTES BETULA PENDULA 'TRISTIC' 8-10 CM GIRTH.
PNA DENOTES PRUNUS AVIUM 8-10 CM GIRTH.

+ 8.360 EXISTING LEVELS SHOWN THUS.
⊕ 8.600 PROPOSED LEVELS SHOWN THUS.

UNDERSTOREY PLANTING MIX COMPRISES
15% ACER CAMPESTRE 60-90 CM BR
20% CRATAEGUS MONOGYNA 60-90 CM BR
20% CORYLUS AVELLANA 60-90CM BR
20% CARNUS SANGUINEA 60-90CM BR
10% ILEX AQUIFOLIUM 3 LITRE
5% PRUNUS LUSITANICA 60-90CM BR
10% VIBURNUM OPULUS 60-90CM BR.

NATIVE HEDGE MIX COMPRISES
20% ACER CAMPESTRE 60-90CM BR
25% CRATAEGUS MONOGYNA 60-90CM BR
25% CORYLUS AVELLANA 60-90 CM BR
15% ILEX AQUIFOLIUM 3 LITRE
5% LONICERA PERICLYMENUM 3 LITRE
10% PRUNUS SPINOSA 60-90CM BR.

PLANTED @ 5/LIN-M IN DOUBLE STAGGERED ROWS IN GROUPS OF 3-5 OF EACH VARIETY.

HEDGE PROTECTION MEASURES.
HERAS TYPE FENCE ON BLOCKS ERECTED IMMEDIATELY FOLLOWING CONSTRUCTION OF DRIVEWAY.
PROTECTION TO REMAIN IN PLACE FOR WHOLE OF CONSTRUCTION PHASE

**SOFT LANDSCAPING MAINTENANCE PLAN:**

| | YEAR 1 | YEAR 2 | YEAR 3 | YEAR 4 | YEARS 5-10 |
|---|---|---|---|---|---|
| TREES | | Water as in Year 1. Remove stakes and ties at end of year from established specimens. Adjust ties on those where stakes are retained. Remove damaged branches as Year 1 and complete formative pruning as necessary. Replace any failed specimens during late winter. | Remove remainder of stakes & ties. Maintain 1m dia. Rings as Year 1. Inspect trees for disease. Remove damaged branches as Year 1and complete formative pruning as necessary. Replace any failed specimens during late winter. | Maintain 1m dia. rings as Year 1. Inspect tree for disease. Remove damaged branches as Year 1 and complete formative pruning as necessary. Replace any failed specimens during late winter. | Maintain 1m dia. rin Year 1. Inspect trees for dis Remove damaged b as Year 1 and comp formative pruning as necessary. Replace any failed specimens during la winter. |
| SHRUBS/ HEDGES | Water as necessary during periods of drought ensuring soil is totally saturated. Remove/spray out any weeds in beds allowing for 4 visits during growing season and 1 visit in the winter – remove any litter during these visits. Replace any dead or dying plants during late winter. | Water as in Year 1. Remove/spray out any weeds in beds as in Year 1. Remove litter during these visits. Replace any dead or dying plants during late winter. | Remove/spray out any weeds in beds allowing for 3 visits during growing season and 1 Winter visit – remove any litter during these visits. Replace any dead or dying plants during late winter | Remove/spray out any weeds as in Year 3 including removal litter. Replace any dead or dying plants during late winter. | Consider thinning/pr any plant material wi required to encourag healthy growth and p the poor developmen specimen. Remove/ out any weeds in bed allowing for 2 visits d growing season and Winter visit. Remove litter during visits. Replace any dead or plants during late wi |
| GRASS | Following germination of seeded areas carry out stone picking prior to cutting. Maintain sward turf & seeded areas – to a height of between 20 to 40mm by regular cutting with appropriate machinery. Carry out further stone picking operations prior to cutting as necessary. Water turf as required thoroughly soaking the turfs. Replace any dead or dying turfs. | Maintain cutting operations keeping grass at a height of between 20 to 40mm. Apply Spring and Autumn fertiliser during suitable weather conditions. Spike any areas of poor drainage. Overseed any bare patches during Autumn. Cut edging meadow areas twice per annum, clearing arisings after each cut. | As Year 2. | As Year 2 | As Year 2. |
| BEDDING TREES | Check to ensure that previously planted trees are establishing and that the are loosened as necessary in Autumn. Tidy epicormic growth and report any problems or damage to client. | Check to ensure that previously planted trees are establishing and that the are loosened as necessary in Autumn. Tidy epicormic growth and report any problems or damage to client. | Check to ensure that previously planted trees are establishing and that the are loosened as necessary in Autumn. Tidy epicormic growth and report any problems or damage to client. | Check to ensure that previously planted trees are establishing and that the are loosened as necessary in Autumn. Tidy epicormic growth and report any problems or damage to client. | Check to ensure that previously planted tre establishing and that are loosened as nece In Autumn. Tidy epico growth and report any problems or damage client. Sever ivy to on each year to reduce v load to mature trees. |

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Job Title.
LAND R/O MANOR FARM COTTAGES, LOWER ROAD, BEDHAMPTON, HAVANT.

Description.
PROPOSED PLANTING, SITE LEVELS FENCING + SURFACE MATERIALS

Scale: 1:200 Date: 5/13 Drawing No: LS.01

A 22/5/13 – AMENDED FOLLOWING LANDSCAPE COMMENTS.
B 04/14 –