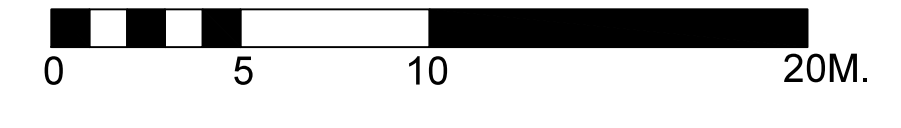


KEY

- Protective timber knee rail 50cm H. to front garden boundary.
- Sites allowed to regenerate naturally from area's seed bank.
- Road and drive parking, gravel in grid as per Phase 1 to engineer's spec.
- Tarmac site entrance as public highway
- Buff small unit, porous block paving as Phase 1, Marshalls 'Belvoir' to footway or similar approved.
- Porous resin bound Road surfacing, 'Addaset' by 'Addagrip'- Scandinavian Pearl 6mm. Or similar approved. Granite sett used as kerb delineation, laid flush
- Private terrace, Marshalls 'Fairstone Versuro' paving 580x580 or similar approved.
- Native hedgerow (sageby design compliant)
- Low evergreen hedgerow.
- Edible hedgerow- gooseberry
- Shrub & perennial planting.
- Gass grid Marshalls 'Grass guard' or similar approved to enable occasional additional parking or community events to be staged.
- Proposed sculptural feature.
- Post & rail, stock proof fencing
- Informal layout for allotment style beds. Raised sleeper beds set around orchard planting and bark mulched clearing for a variety of social uses.
- unit entrance
- Mown, managed grass.
- Retained, managed existing trees within site curtilage.
- Proposed native tree planting
- Proposed fruit tree planting
- Perennial & ornamental grass mix
- Naturalised wetland, marginal planting to pond surrounds.
- Low level lighting, Timber lighting bollards.
- Woodland Planting, understorey shrubs and herbaceous/ field layer.



Composition Of Woodland Edge planting

- Understorey:**
 Acer campestre
 Crataegus monogyna
 Hypericum androamum
 Ilex aquifolium
 Rubus fruticosus
 Clematis vitalba
 Lonicera periclymenum

- Field/ Herbaceous Layer:**
 Athyrium filix-femina
 Dryopteris affinis
 Osmunda regalis
 Digitalis purpurea
 Convallaria majalis
 Caltha palustris
 Gallium odoratum
 Geranium sylvaticum
 Lychnis flos-cuculi
 Symphytum x uplandicum

Ground Layer

Existing grass, moss and sedges to regenerate.
Planting positioned on site, to fit around tree roots and existing herbaceous layer.

Communal open space, copse area planted with additional trees, woodland understorey and native field layer plants.

Planting Schedule

- Abbr. Predominately Native Tree Species**
 AIB Amelanchier lamarkii
 Ag Alnus glutinosa
 Bp Betula pendula
 CL Crataegus laevigata
 Cs Castanea sativa
 Cm Crataegus monogyna
 Fs Fagus sylvatica
 Qp Quercus petraea
 SgM Salix x gracilistyla 'Melonostachys'
 Tc Tilia cordata

Abbr. Fruit Trees

- Cmp Corylus maxima purpurea (purple fibert)
 PWP Prunus 'Worcester Pearman' (apple)
 MJD Malus 'John Downie' (crab apple)
 PC Pyrus 'Chantleir' (pear)
 PSS/Pa Prunus 'Summer Sun' (cherry) & P.avium.

%of mix. Native Hedgerow

- 5% Acer campestre
 25% Crataegus monogyna
 5% Corylus avellana
 5% Frangula alnus
 15% Ilex aquifolium
 10% Ligustrum vulgare
 10% Prunus spinosa
 10% Rosa Canina
 5% Salix caprea
 10% Viburnum opulus

Hedgerow: Plant 3 rows@ 45cm Cts. staggered
Proposed construction over RPA's, Terram Geocell or similar to prevent damage & compaction & retain ex soil levels and percolation. New trees will be positioned on site away from RPA's.

Formal Hedgerow Planting

- Abbr. Species**
 Bs Buxus sempervirens
 BIAN Berberis thunbergii 'Atropurpurea Nana'
 Fs Fagus sylvatica
 GI Gooseberry 'Invicta'

Shrubs

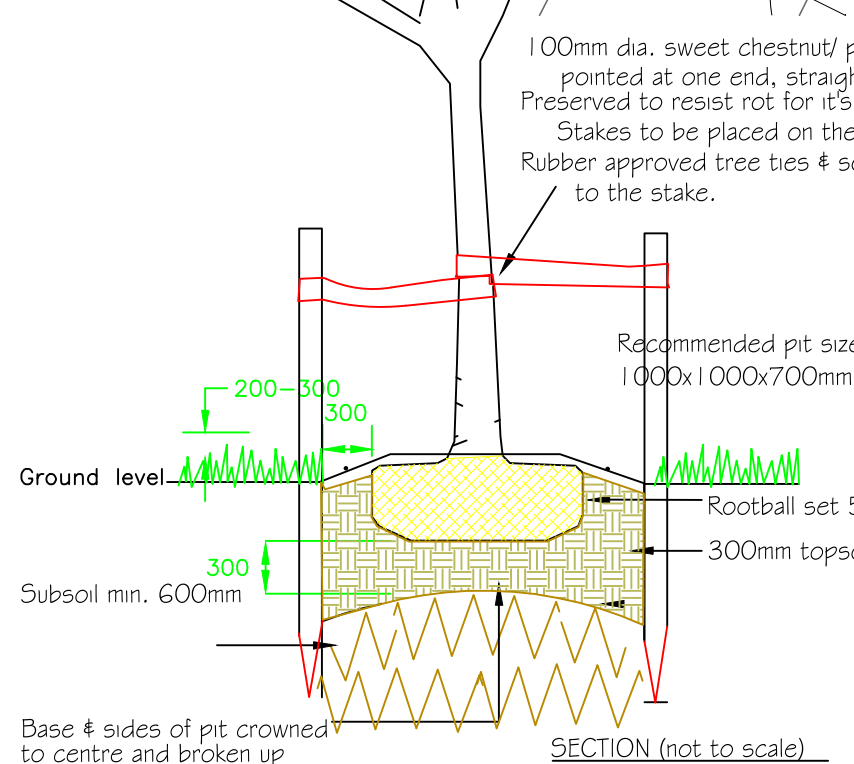
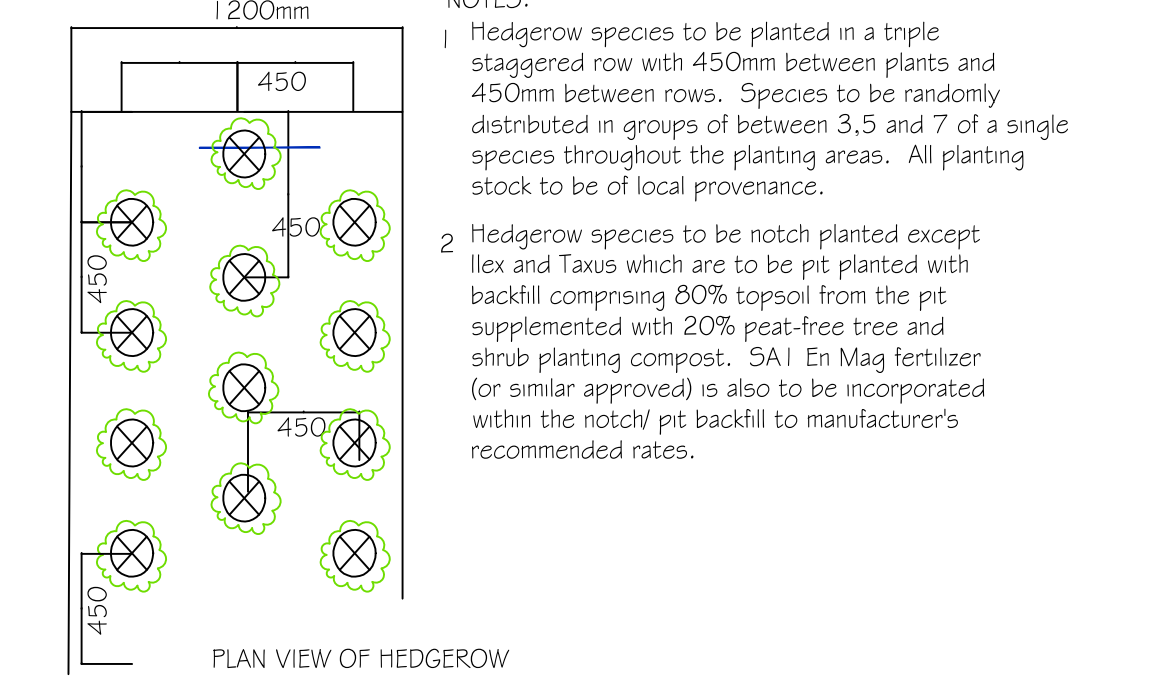
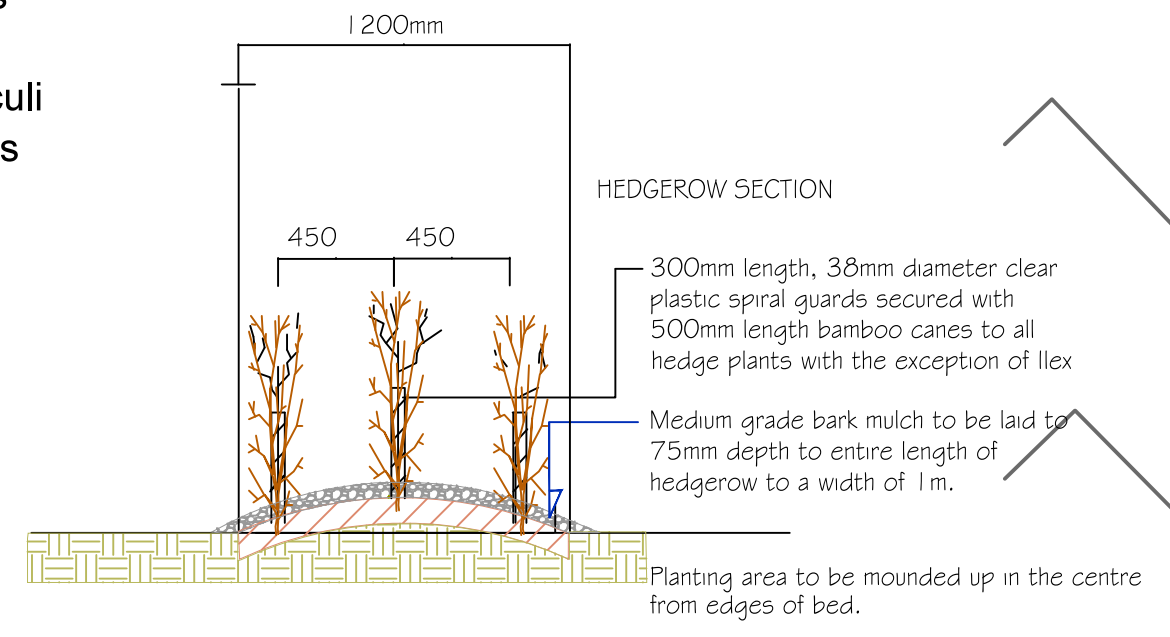
- Amelanchier canadensis
 Artemesia 'Powis Castle'
 Choisyia ternata
 Eucymous alatus
 Hebe 'Green Globe'
 Hedera helix 'Glacier'
 Hydrangea 'Annabelle'
 Iris sibirica 'Perrys Blue'
 Lavandula 'Hidcote'
 Liriope muscari
 Rosmarinus officinalis
 Sambucus nigra 'Black Lace'
 Sarcococca humilis
 Thymus sempervirens
 Viburnum x bodnantense 'Dawn'
 Vinca minor f. alba 'Gertrude Jekyll'

Perennials, Ferns, Bulbs & Ornamental Grasses

- Pennisetum a. 'Purpurea'
 Stipa tenuissima
 Dryopteris felix-cristata
 Dryopteris affinis 'Cristata'
 Anchusa 'Loddens Blue'
 Anthriscus sylvestris 'Ravenswing'
 Allium 'Christophii' & Purpurea
 Achillea fil. 'Terracotta'
 Campanula carpatica/alba
 Euphorbia palustris
 Helenium 'Waltraut' & 'Chelsey'
 Echinacea purpurea
 Geranium 'Johnson's Blue'
 Pennisetum vars.
 Phlox paniculata 'Alba'
 Rudbeckia fulgida
 Salvia nemerosa 'Caradonna'
 Verbena banariensis
 Veronicastrum 'Adoration'

Marginal Wetland (Moles Seeds or similar approved) Planting To Include

- Achillea ptarmica
 Campanula rotundifolia
 Cardamine pratensis
 Geum rivulare
 Filipendula ulmaria
 Iri pseudoacorus
 Iris 'Tiger Balm'
 Lythrum flos-cuculi
 Ranunculus acris



- NOTES:**
 1. Dig and prepare the tree pit as shown above, back-filling to the appropriate depth, for to be weeks prior to planting to allow for settlement.
 2. Depth of the pit should be min. 700mm and at least 75mm deeper than the rootball root system.
 3. Fork the bottom 4 sides of the pit to break up sub-soil. Back-fill as shown to the level of the roots.
 4. Mix the dig soil with 1) A slow release fertilizer eg. Agrolion gold. 2) A soil amendment.
 5. Prior to planting 1) Prune all damaged roots back to healthy growth. 2) Soak in water until ready for planting.
 6. Drive the stakes so it is a min of 300mm below the bottom of pit 4 600mm above top of pit.
 7. Plant tree ensuring nursery depth is maintained.
 8. Backfill in layers, up to existing ground level, firming by treading.
 9. Tie the tree to stakes using flexible tree ties.
 7. Cover whole construction area with 50mm organic mulch

Essential Tree Surgery Required:

Existing trees on site to be retained and managed as per arborist's report. Proposed crown lifting and essential tree surgery as directed in arborist's report. Trees with less than 10yrs of growth to be felled and additional tree planting of mixed broad leaved species to be integral to landscape scheme, increasing bio diversity and longevity of woodland edge and rural setting. Essential tree surgery to trees within site will create open clearings and transitional spaces where meadow species and a herbaceous understorey can develop.

Informal layout for allotment style beds. Raised sleeper beds set around orchard planting and clearing for a variety of social uses. Protective knee rail to footway.

PLANTING NOTES:

- Imported topsoil to be to BS 3882:2007
- All stock to be sourced from local provenance and approved by L.A. before planting.
- Bare root stock to be planted between October 1st and February 28th only.

Crown lift beech, provision of large communal green spaces will negate the need for individual gardens in this area of the site, thus minimising potential future felling threats.

NOTES

- REV C : 23rd Feb. 2016
Tree species changed to C.C.C.arborist's recommendations.
- REV B : February 2016
Residential units reduced, proposed areas of woodland improvement and regeneration to L.H.S. of site.
- REV A : November 2015
Tree positions moved & nos reduced after comments from planners

CATHERINE HARRIS LANDSCAPE ARCHITECT
 3 Riversdale Road, West Cross Swansea, SA3 5PU
 01792 404343/07341 811658
 catherineharris43@yahoo.co.uk

Project:
 Great House Farm Sustainable Housing - St. Fagans, Cardiff

Client:
 LiveEco Mulchure & Ball
 Lead Architect:
 Alan Gillard
 Gillard Associates

Dwg:
 Landscape Proposals Planning Submission

Dwg No.:
 LS001 C. Drawn:
 CJH

Scale:
 1:200 @A0

Feb 2016