11/00519/FUL DISCONS RM

NATIVE SHRUB PLANTING WITH INTERMITTENT TREES

		Plot		1	2	3
		Area (m2)		720	430	181
Tree & Shrub Species	Height	Root Condition	%			
Climax Trees						
Alnus glutinosa	40-60cm	1+1 transplant seedling	10	16	10	4
Betula pendula	40-60cm	1+1 transplant seedling		16	10	4
Woodland Edge Trees						
Acer campestre	40-60cm	1+1 transplant seedling	20	16	10	4
Malus sylvestris	40-60cm	1+1 transplant seedling		16	10	4
Prunus avium	40-60cm	1+1 transplant seedling		16	10	4
Sorbus aucuparia	40-60cm	1+1 transplant seedling		16	10	4
Shrubs						
Crataegus monogyna	40-60cm	1+1 transplant seedling	70	45	27	11
Cornus sanguinea	40-60cm	1+1 transplant seedling		45	27	11
Corylus avellana	40-60cm	1+1 transplant seedling		45	27	11
Prunus spinosa	40-60cm	1+1 transplant seedling		45	27	11
Rosa canina	40-60cm	1+1 transplant seedling		45	27	11
		Total No of Plants		**321**	**195**	**79**

Calculation of numbers based on a 1.5m spacing between plants.

NATIVE TREE PLANTING

Ref	Native Tree Species	Girth (cm)	Height	Root	No
T1	Acer campestre	8-10 Std	250-300cm	25L Cg	2
T2	Malus sylvestris	8-10 Std	250-300cm	25L Cg	2
T3	Prunus avium	8-10 Std	250-300cm	25L Cg	2
T4	Prunus padus	8-10 Std	250-300cm	25L Cg	2
T5	Sorbus aria	8-10 Std	250-300cm	25L Cg	2
T6	Sorbus aucuparia	8-10 Std	250-300cm	25L Cg	2

ORCHARD TREE PLANTING

Ref	Native Tree Species	Girth (cm)	Height	Root	No
T7	Malus 'Cox's Orange Pippin'	8-10 Std	250-300cm	25L Cg	7
T8	Malus 'John Downie'	8-10 Std	250-300cm	25L Cg	7

Abbreviations
1+1 = 2 year old seedling transplant (one year in seedbed, transplanted and grown on for one year
L = litre
Cg = container grown

NATIVE BULB PLANTING

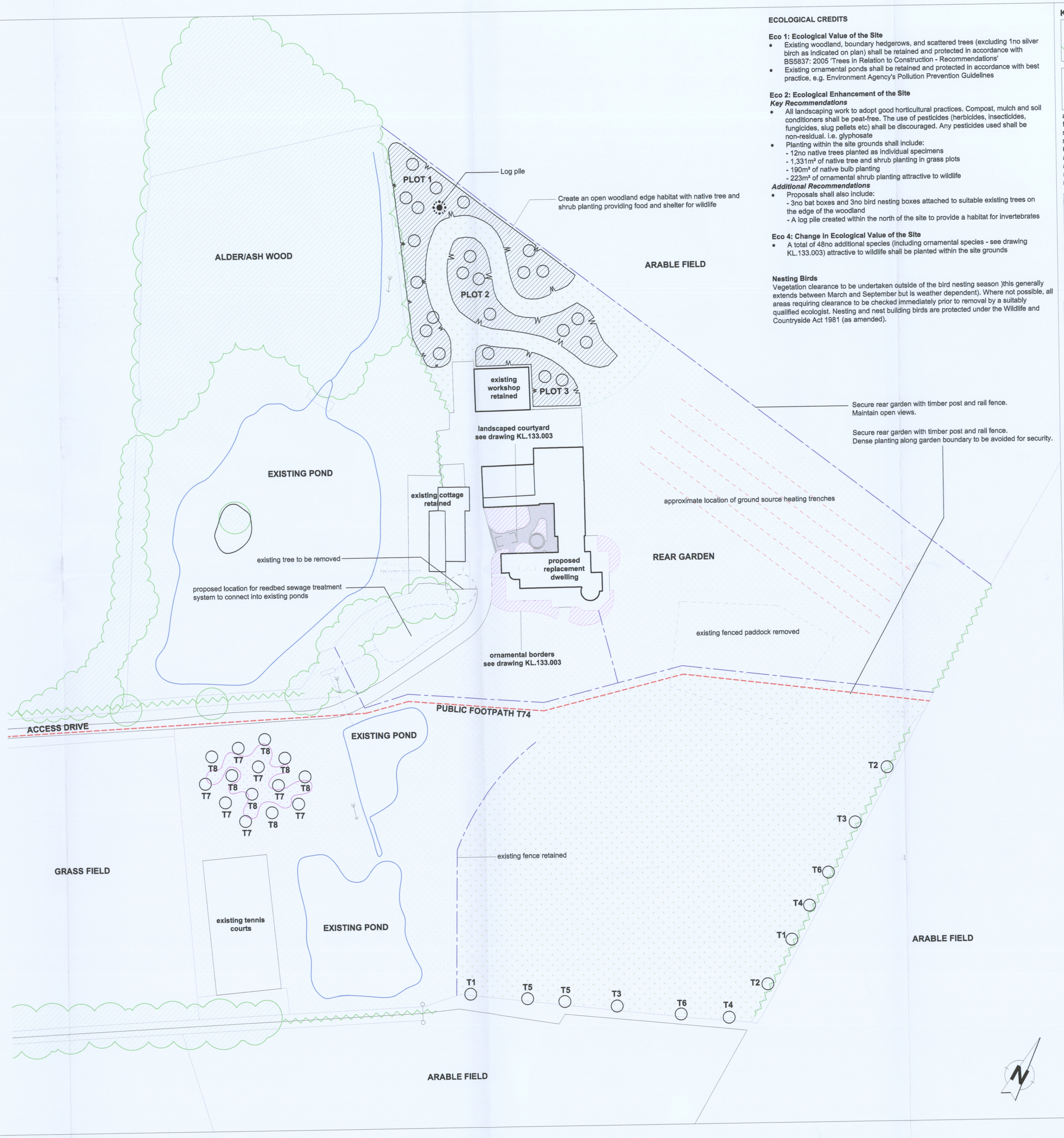
Bulbs	Grade	Density	No
Narcissus pseudonarcissus (Wild Daffodil)	7/+ topsize	9-12/m2	2,000

All plants supplied shall comply with BS 3936 Parts 1-10 as relevant, BS 4043, and the National Plant Specification as published by the Horticultural Trade Association (HTA)

Establishment Maintenance
All planting to be maintained for a period of 5 years from the date of planting. Maintenance operations to include:
1. Weed Control - remove all grass and weed growth from within planting beds, top up mulch as required to maintain a minumum depth of 75mm.
2. Firming & Pruning - firm and prune trees and shrubs as required to encourage healthy growth. Remove any broken or damaged branches.
3. Formative Pruning of Trees - remove epicormic and competing secondary leader shoots, and closely spaced duplicated branches with potentially weak or tight forks.
4. Inspect and adjust tree stakes and ties
5. Check and adjust mulch mats & Tubex Netguards (where fitted), remove weeds
6. Replacement Planting - replace all plants which are missing, found dead, or failing to make satisfactory extension growth to ensure full stocking levels within planting beds

SEASON
- Grass seed shall be sown during the period 1 March to 31 May or 1 September to 31 October
- Turf may be laid at any time during favourable weather and soil conditions
- Planting of bare-rooted deciduous trees and shrubs (transplants and cuttings) shall be carried out from late October to late March
- Container grown plants may be planted at any time during favourable weather and soil conditions
- Conifers and evergreens shall be planted in September/October or March/April

TIMING
- No planting or preparatory operations shall take place when the ground is frost bound, covered by snow, excessively wet or waterlogged, or in excessively dry or windy conditions
- No planting or preparatory operations shall be carried out until all building works are complete



ECOLOGICAL CREDITS

Eco 1: Ecological Value of the Site
- Existing woodland, boundary hedgerows, and scattered trees (excluding 1no silver birch as indicated on plan) shall be retained and protected in accordance with BS5837: 2005 'Trees in Relation to Construction - Recommendations'
- Existing ornamental ponds shall be retained and protected in accordance with best practice, e.g. Environment Agency's Pollution Prevention Guidelines

Eco 2: Ecological Enhancement of the Site
Key Recommendations
- All landscaping work to adopt good horticultural practices. Compost, mulch and soil conditioners shall be peat-free. The use of pesticides (herbicides, insecticides, fungicides, slug pellets etc) shall be discouraged. Any pesticides used shall be non-residual. I.e. glyphosate
- Planting within the site grounds shall include:
  - 12no native trees planted as individual specimens
  - 1,331m² of native tree and shrub planting in grass plots
  - 190m² of native bulb planting
  - 223m² of ornamental shrub planting attractive to wildlife

Additional Recommendations
- Proposals shall also include:
  - 3no bat boxes and 3no bird nesting boxes attached to suitable existing trees on the edge of the woodland
  - A log pile created within the north of the site to provide a habitat for invertebrates

Eco 4: Change in Ecological Value of the Site
- A total of 48no additional species (including ornamental species - see drawing KL.133.003) attractive to wildlife shall be planted within the site grounds

Nesting Birds
Vegetation clearance to be undertaken outside of the bird nesting season)this generally extends between March and September but is weather dependent). Where not possible, all areas requiring clearance to be checked immediately prior to removal by a suitably qualified ecologist. Nesting and nest building birds are protected under the Wildlife and Countryside Act 1981 (as amended).

KEY

Existing Woodland/Trees/Hedgerows Retained

Tree Planting
Tree pits shall be 1400 x 1400 x 600mm for standard trees with loose soil to base. Care shall be taken to prevent smearing of tree pit sides. The pit shall be backfilled with a 50/50 mix of good quality topsoil and a non peat based compost. 140gms of Enmag granular slow-release fertiliser shall be incorporated to the fill mixture. Trees shall be double staked and fixed to horizontal crossbar using rubber strapping, with rubber block positioned between the tree and cross bar. Stakes shall be 60mm diameter treated softwood, driven firmly into ground either side, and not through the rootball, with tree central between the stakes. The above ground height of the stake should be a minimum of a third of the stem height. All trees to receive perforated watering pipes surrounding root ball.

Native Shrub Planting with Intermittent Trees in Grass Plots
Planting shall be carried out on a 1.5m staggered grid. All transplants shall be pit planted with backfill mixed with 70gms of Enmag slow release fertiliser. After planting trees and shrubs shall be fitted with individual mulch mats no less than 800 x 800mm square or greater than 1000mm x 1000mm, secured in place with plastic or metal pegs.

All transplants shall be fitted with Tubex Netguards, 60cm high and 150mm diameter, dark green colour. To be fixed to firmly anchored softwood timber stakes using two cable ties.

Ornamental Planting in Cultivated Beds to Landscaped Courtyard and Borders
See drawing KL.133.003

Close Mown Grass Retained / Re-instated
In areas to be re-instated, seed with Emorsgate EG22 Wear Tolerant Turfgrass Mixture (or similar). Sowing rate 35g/m²

Rough Grass Retained / Reinstated
In areas to be re-instated, seed with a shade tolerant grass mix such as Emorsgate EG10 Tussock Grass Mixture (or similar) suitable for the creation of areas of tussocky grassland requiring little or no maintenance once established, providing good habitat for wildlife. Sowing rate 5 gms/m²

Native Bulb Planting
Plant in naturalistic drifts of 3 plants per group, 3-4 groups per m²

Log Pile
Use wood from broadleaved trees, particularly oak, beech or fruiting trees with bark still attached. Partially bury these vertically in the soil in the shade and allow plants to grow over for moisture retention.

1.2m Timber Post & Rail Fence

Rev A: Amendments requested by client	LK	26.04.12
Revisions:	Dwn:	Date:

Project: Proposed Replacement Dwelling, Alder Hall, Peckleton for Mr & Mrs Clark

Drawing: Proposed Landscaping

Date:	18.04.12	Drawn:	LK
Dwg No:	KL.133.002	Scale:	1:500 @ A1
Revision:	A	Revision Date:	26.04.12

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