LANDSCAPE SPECIFICATION FOR EMU SITE
HAYLING GOLF CLUB, HOLIDAY ACCOMMODATION

Elizabeth Ford Landscape Architects
31 The Mallards Langstone
Havant Hampshire PO9 1SS

HAVANT BOROUGH COUNCIL
29 NOV 2011
RECEIVED

LANDSCAPE SPECIFICATION
Hayling Golf Club, Holiday Accommodation

1.0 PLANTING PROPOSALS

1.1 -1.3 Site Protection
No Existing Trees

1.4 Preparation

1.5 Conditions for planting : Planting shall be carried out between October and February when soil is frost free. No planting shall be undertaken when the soil is waterlogged.

1.6 All pernicious and invasive weeds including roots shall be cleared from site before works commence. Clearance shall be restricted to treatment with glyphosate or hand weeding forking out the roots.

1.7 Ground outside the working area shall not be overrun by heavy machinery, to avoid compaction. Any compacted ground shall be thoroughly broken up and aerated before cultivation works commence.

1.8 Ground preparation: All tree pits shall be free from any waste material from construction operations. Soil shall be used in situ and shall be free from stones or waste matter.
Ground for planting and seeding shall be cultivated to full depth. Ground shall be thoroughly weeded before planting or seeding operations commence.

1.9 Planting Specification

1.10 Planting materials used shall be environmentally friendly, using peat free composts and soil conditioners from approved, managed sources. Stakes shall not be treated with creosote compounds. No Herbicides shall be used

1.11 Slow release fertiliser shall be added to each tree pit at the rate of 75gm per tree and shrub as required after one year.

1.12 Standard trees: Standard trees will be planted as 10-12cm girth as shown on HA/Rec/125.1. They shall be fixed with two short stakes and a crossbar with a proprietary adjustable tree tie.

1.13 Conifers shall be supplied as 50 litre container grown specimens.

All trees shall comply with the Horticultural Trades Association National Plant Specification.
1.14 The tree pits shall be greater in diameter than the root spread of the tree, and 75mm deeper. The root collar shall be at ground level when backfilling is complete.

1.15 Tree planting compost and bonemeal shall be added to the soil at the manufacturers recommended rate.

1.16 Shrubs: Shrubs shall be planted as shown on drawing no.HA/Rec/125.1. Shrubs shall be planted at 3 per m2.. All shrubs shall comply with the Horticultural Trades Association National Plant Specification. All plants should be thoroughly watered in as soon as planted by soaking to saturation. The first year all plants should be regularly watered in dry spells to get them established.

Date:11th November 2011

1.17 Anti- Rabbit Protection: **Either** Fencing in 31mm hexagonal mesh 1050mm wide is to be used. 15cm is to be lapped outward with line wires top, bottom and centre. Plants shall be set .75 metre away from the fence. **Or** Spiral guards to be placed round each tree stem and a suitable shrub guard to each shrub

1.18 Hedges: Hedges shall be planted as shown on dwg no. HA/Rec/125.1. Hedges shall be planted as a staggered row, 3 no plants to the linear metre with 20% by volume mature organic manure and150gm slow release fertiliser per metre.

2.0 Seeding Specification

2.1 In areas where grass and wildflowers are to be sown, low fertility topsoil shall be applied at a depth of 75mm Here, seeding will consist of grass/wildflower mixes designed to encourage wild flowers native to the soils.

2.2 Grass and wildflower species shall be chosen to reflect the underlying soils and local flora.

Grass/Wildflower mix for lawn areas: Grass mix shall include slender creeping red fescue, strong creeping red fescue, smooth stalked meadow grass and browntop bent grass. Wild flowers shall include chamomile ,thyme, thrift, self heal and hawksbit.

Grass/Wildflower mix for retained bank: Grass mix shall include browntop bent , quaking grass, wavy hair grass, meadow oat grass, meadow grass and bulbous meadow grass. Wild flowers to include Clary, Stinking Chamomile, Storksbill, Sea pea, Tutsan and Lupin.

2.3 All operations shall be carried out during dry weather.

2.4 Invasive or otherwise undesirable plants eg, ragwort, dock and thistle shall be removed by hand or mechanical means.

2.5 On bare soil surfaces the soil shall be harrowed or rotavated to create a fine tilth suitable for broadcasting seed.

2.6 Seeds shall be sown by seed drill or by hand casting in areas inaccessible to a seed drill. Seed shall be mixed with 50/50 mix of sand and sawdust in a ratio of 100g seed to 1.4kg sand/sawdust. Seeding shall commence as soon as practicable after cultivation.

3.0 MANAGEMENT GUIDELINES

3.1 Existing trees shall be inspected at regular intervals for signs of disease, decay or instability. Dead, diseased or dying branches shall be removed on observation

3.2 Lawn Areas: The ground surface shall be rolled using a flat or ring roll.

3.3 Thinning shall be carried out at regular intervals to ensure that the best specimens are retained and allowed room for each plant to develop to maturity.

3.4 Pruning will be essential to promote healthy compact growth and prevent encroachment on paths and driveways. Pruning shall also be undertaken to avoid shading of areas close to the buildings.

3.5 Trees: After high winds trees shall be checked for windrock and refirmed in the ground as required. Tree and shrub shelters and guards shall be checked for stability.

3.6 Shrubs: Shrubs shall be allowed to develop to natural form. Pruning shall only take place where shrubs are encroaching on to the field or boundaries.

3.7 Seeded areas shall be mown twice annually to maintain variety and provide a continuing seed source. Invasive weeds shall be eradicated by means of hand pulling. In cases of severe infestation, glyphosate only may be used as a local control. The objectives shall be to maintain biodiversity , provide long grass in Spring to allow ground bird nesting and habitats for small mammals and encourage wild flowers by reducing grasses.

4.0 MAINTENANCE DURING THE MAINTENANCE PERIOD

4.1 Maintenance shall be for five years, during which time the contractor shall be liable for plant losses, which occur due to death, disease or deformity. Tree replacements shall be carried out in each year of the Contract.

4.2 Standard trees shall be supplied with a clear stem of 1.8 metres. Further pruning to remove lower branches may be carried out if required up to a height of 2.5 m. Formative pruning of conifers shall be carried out when the trees reach 3m high by cleaning lower stems to provide a clear , single stem.

4.3 Weeding: To remove pernicious weeds herbicide spray (glyphosate only) may be used but shall only be carried out at the instruction of the supervising officer. Herbicide shall be applied only in accordance with the Control of Pesticide Regulations 1986 and COSHH Regulations 1988 and subsequent amendments.

4.4 Stakes and Guards: Tree stakes, guards and restraints shall be checked at regular intervals and refirmed or replaced as necessary. Damaged or crossing branches shall be removed.

4.5 Removal of Waste Material: All waste material arising from the maintenance works shall be removed from site at each visit.

4.6 Standard Trees: Watering to tree pits shall be carried out during dry periods at the instruction of the Supervising Officer. Watering shall be to field capacity .

4.7 Grass/wildflower areas shall be cut in late June or early July after birds have left nests. Cuttings shall remain for 3 to 4 days after which they shall be removed to a grass heap. No fertiliser shall be applied. Grass may be cut again in September, cuttings to be treated as for June cut.

PLANTS FOR EMU SITE
AT HAYLING GOLF CLUB

ILLUSTRATED NOTES ON PLANT MATERIAL

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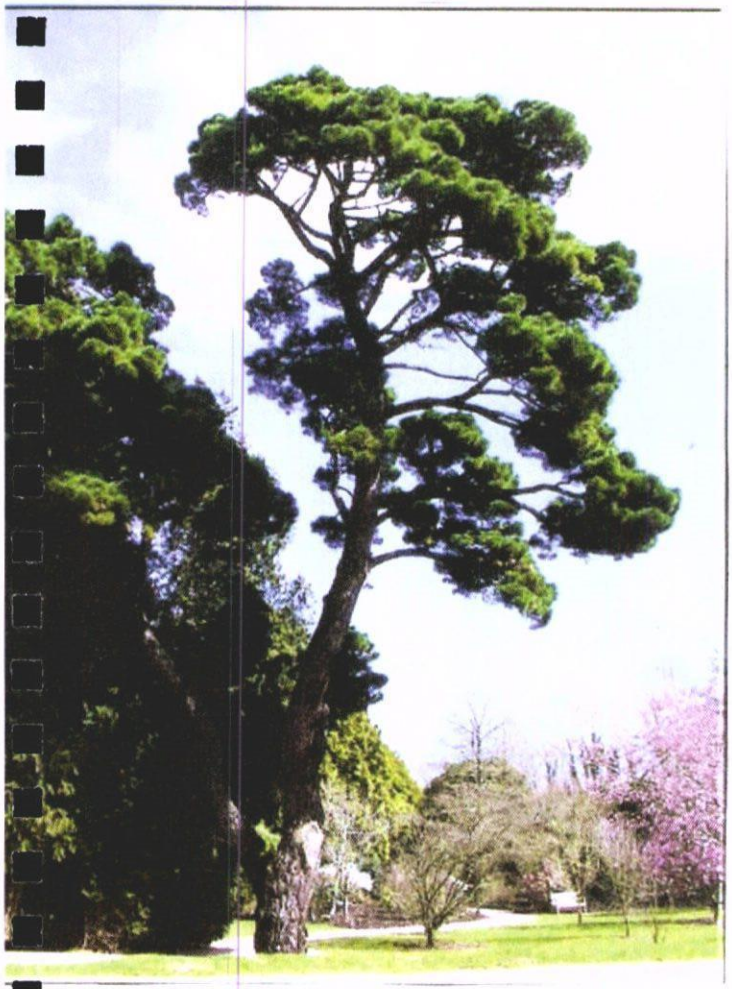
Monterey Pine, Burnet Rose and Privet



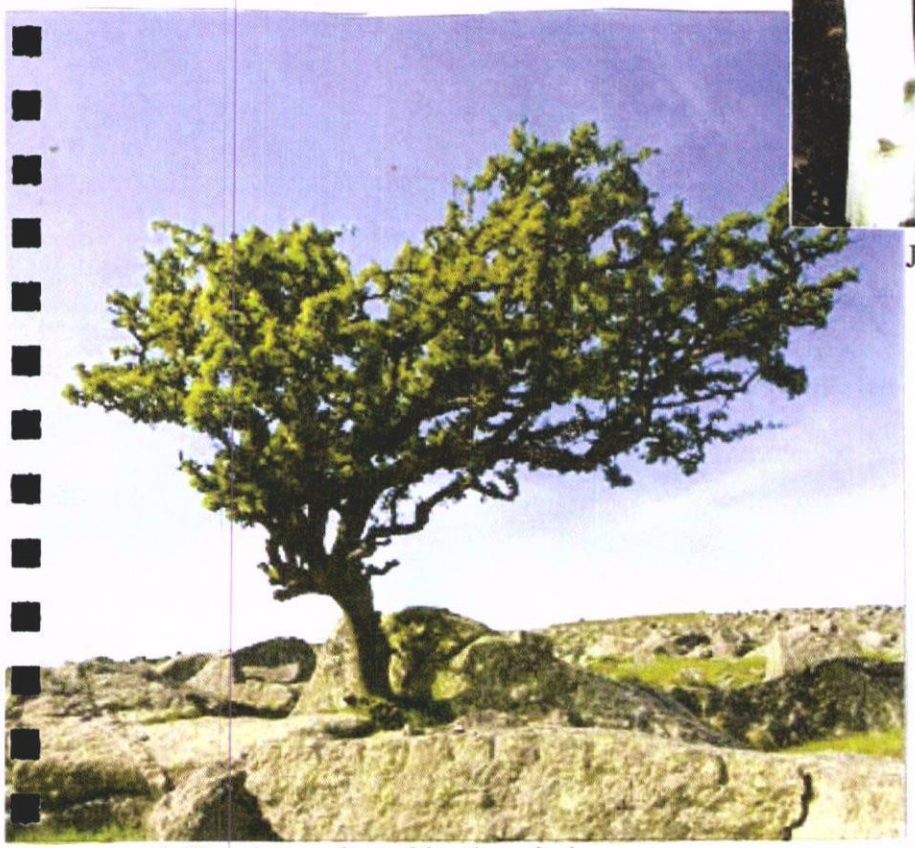
Dyers Greenweed, Broom and Sea Buckthorn



Mature Monterey Pine



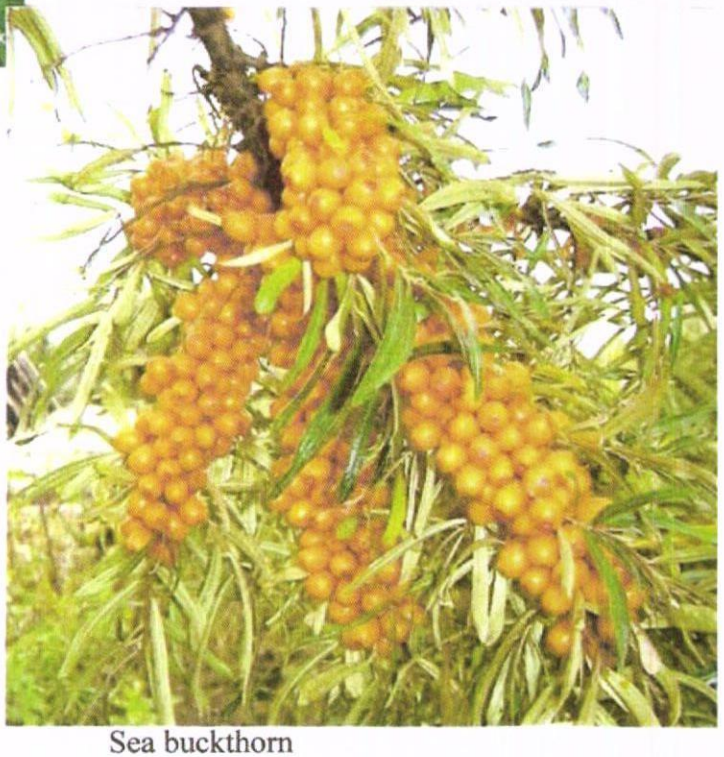
Jaquemont's birch



A Hawthorn shaped by the wind



Wild privet, which grows freely in and around the site



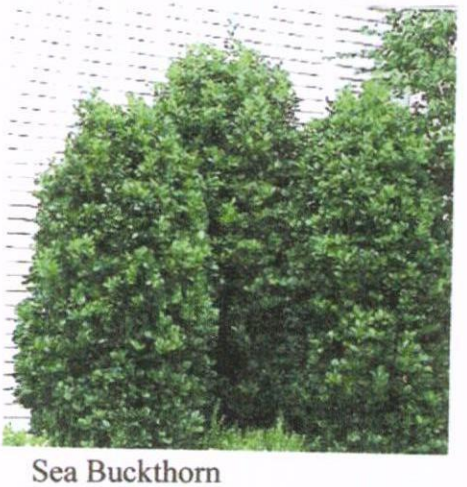
Sea buckthorn



Burnet Rose



White Broom



Sea Buckthorn



Griselinia



Tree lupin



Dyers Greenweed



A Wildflower meadow near the sea, with coneflower, marjoram,knapweed and wild carrot



Marram Grass and Tree lupin with privet in the background growing near the site, this will be replicated, with other plants within the site.



Informal hedge of Griselinia, Eleagnus and Columnar Sea Buckthorn



Pinus radiata

Betula jaquemontii

Crataegus monogyna

Cytisus multiflorus

Genista tinctoria

Griselinia littoralis

Hippophae rhamnoides

Ligustrum vulgare

Rhamnus frangula 'Columnaris'

Rosa pimpinellifolia

Area grassed with Marram grass and fescues with random groups of shrubs and pines trees.

Grassed areas Fine turf of fescues and bent grasses with dwarf wild flowers to include chamomile, wild thyme, self heal, thrift,Bucks horn Plantain and Autumn Hawksbit to the edges.

Informal hedges of Eleagnus, Griselina and Columnar Alder buckthorn to be planted in a staggered row @ 3 per lm planted in blocks of 5-9

Retained bank to be planted with native plants to include Anthemis cotula, Erodium maritumum, Lupinus arboreus, Salvia verbenaca, Hypericum androsaemum,Agrostis capillaris, Briza media, Deschampsia flexuosa, Helictotrichon pratense, Poa pratense.

Sand under Holiday Pods

Species	Common Name	Number	Size	Spec.
Betula Jaquemontii	Jaquemonts birch	8	10-12cm	All plants to conform to the Horticultural Trades Association Specification
Crataegus mongyna	Hawthorn	14	10-12vcm	
Pinus radiata	Monterey Pine	15	50lt pot	
Cytisus multiflorus	Broom	36	3lt pot	
Genista tinctoria	Dyer's Greenweed	34	3lt pot	
Griselinia littoralis	'Broadleaf'	16	3lt pot	
Hippophae rhamnoides	Sea Buckthorn	19	60-80cm br	
Ligustrum vulgare	Wild Privet	36	60-80cm br	
Rhamnus frangula 'Columnaris'	Alder Buckthorn	13	60-80cm br	
Rosa pimpinellifolia	Burnet Rose	36	60-80cm br	

Species	Common Name	Number	Size	Spec.
Eleagnus x ebbingei	Eleagnus	192	3lt pot	
Griselinia littoralis'	'Broadleaf'	216	3lt pot	
Rhamnus frangula 'Columnaris'	Alder buckthorn	72	3lt pot	

NOTES

N.B. All planting needs to be carried out only between October and February.

1. Please refer to specification when implementing this design.
2. Topsoil for all plant beds should be a minimum of 400mm. Ensure all rubble and rubbish is removed and the full 400mm depth of the empty plant beds is noted by the supervisor before placing topsoil. All plant composts are to be peat-free. Glyphosate weedkiller only is approved for use.
3.. Slow release fertiliser shall be added to each plant pit at a rate of 35g per plant and 200g per tree.
4. All plants shall comply with the Horticultural Trades Association National Plant Specification.
5. All plants and trees should be thoroughly watered in after planting, soaking to full depth of soil.
6. Well composted wood chip mulch should be applied to all planted areas at a rate of 75mm settled depth after thorough watering or heavy rain.
7. Maintenance: Planting should be maintained with forking out weeds, regular watering in dry weather for first two years, checking and loosening tree ties as necessary with removal after two years and removal of rubbish and litter. Mulch should be topped up to 75mm settled depth annually and fertiliser added one year after planting.Maintenance shall be for five years during which time the contractor will be liable for plant losses which occur due to death , disease or deformity and vandalism before practical completion. All plants lost shall be replaced in the first three years with gaps filled in the fourth and fifth years after planting.

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Project: Proposed Development of Holiday Accomodation at Hayling Golf Club

Drawing: Landscape Proposals

Drawing no: **HA/Rec/125.1**

Scale: 1:100

Revised:

Drawn by: EAF

Date: 14.11.2011