TREES

			No's
Acer campestre	Field Maple	Feathered, 1.75-2m	14
Alnus glutinosa	Common Alder	E.H.S, girth at 1m, 14-16cm	15
Betula pendula	Birch	Feathered, 1.75-2m	24
Crataegus monogyna	Hawthorn	Standard, girth at 1m, 8-10cm	17
Pinus nigra	Austrian Pine	3m ht, in 600L pot	3
Quercus robur	English Oak	Standard, girth at 1m, 8-10cm	13
Salix alba	White Willow	E.H.S, girth at 1m, 14-16cm	9
Sorbus aria	Whitebeam	E.H.S, girth at 1m, 14-16cm	8
Tilia cordata Greenspire	Lime	Semi-mature, girth at 1m, 45-50cm in 600L pot	5

STRUCTURE PLANTING BELT 1918 no (area 4500m2)

10% Betula pendula	Birch	Whip, 1 + 2, 120-150cm, bare-root, 4 breaks
10% Cornus sanquinea	Dogwood	Transplant, 1 +1, 60-90cm, bare root, 3 breaks
10% Corylus avellana	Hazel	Transplant, 1 u 1, 80-100cm, bare-root, 3 breaks
10% Crataegus monogyna	Hawthorn	Transplant, 1 +1, 80-100cm, bare-root, 4 breaks
10% Liqustrum vulgare	Native Privet	Cuttina, 0+ 2, 80-100cm, bare-root, 3 breaks
10% Populus tremula	Aspen	Whip, 1 + 2, 120-150cm, bare-rrot, 3 breaks
10% Prunus spinosa	Blackthorn	Transplant, 1 +1, 80-100cm, bare-root, 3 breaks
10% Quercus robur	Oak	Whip, 1 u 2, 120-150cm, bare-root, 3 breaks
10% Salix caprea	Goat Willow	Cuttina, 0+1, 80-120cm, bare-root, 3 breaks
10% Sambucus nigra	Elder	Transplant, 1 +1, 60-90cm, 3 breaks

NATIVE HEDGEROW 4950 no (area 990m2)

25% Acer campestre	Field Maple	
25% Crataegus monogyna	Hawthorn	
10% Corylus avellana	Hazel	bare root plants, 60-90cm 1 +1 transplants
10% Euonymus europaeus	Spindle	in triple row, rows at 50cm centres, plants at
10% Ilex aquifolium	Holly	30cm centres, in random mix
10% Prunus spinosa	Blackthorn	
10% Viburnum opulus	Guelder Rose	

WATERSIDE THICKET MIX 714 no (area 347m2)

25%	Cornus sanquinea	Common Dogwood	
25%	Corylus avellana	Hazel	bare root plants, 60-90cm 1+1 transplants
25%	Salix cinerea	Common Sallow	at 70cm centres (2 no per m2) , in random
25%	Sambucus nigra	Elderberry	mix

SPECIES RICH GRASS MIX (area 5800m2)

40% Wild Flora

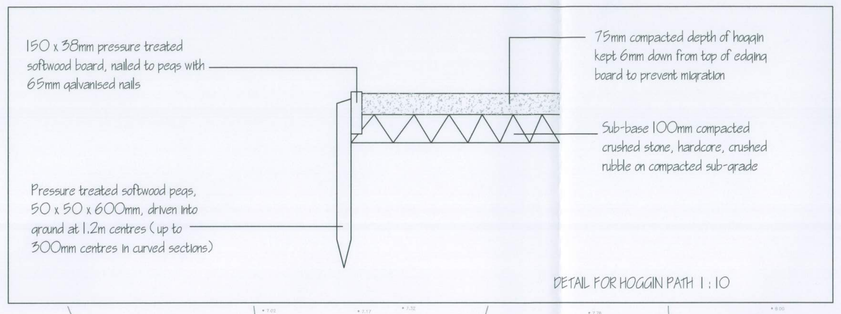
4%	Anthyllis vulneraria	Kidney Vetc
0.4%	Armeria maritima	Thrift
0.4%	Campanula glomerata	Clustered Bellflower
0.4%	Campanula rotundifolia	Harebell
4%	Centaurea nigra	Common Knapweed
4%	Centaurea scablosa	Greater Knapweed
0.4%	Dianthus deltoides	Maiden Pink
4%	Echium vulgare	Viper's Bugloss
4%	Gallium verum	Lady's Bedstraw
1%	Leontodon autumnalis	Autumn Hawkbit
2%	Lotus corniculatus	Birdsfoot Trefoil
1%	Malva sylvestris	Common Mallow
1%	Origanum vulgare	Wild Marjoram
2%	Papaver rhoeas	Field Poppy
1%	Pimpinella saxifraga	Burnet Saxifraage
2%	Primula veris	Cowslip
4%	Silene alba	White Campion
2.4%	Silene dioica	Red Campion
1%	Silene maritima	Sea Campion
1%	Bladder Campion	Bladder Campion

60% Grasses

9%	Agrostis capillaris	Common Bent
3%	Alopecurus pratensis	Meadow Foxtail
9%	Cynosaurus cristatus	Sheep's Fescue
24%	Festuca rubra commutata	Chewings Fescue
15%	Poa pratensis	Smooth Stalked Meadow Grass

AMENITY GRASSLAND (area 5070m2)

AQUATIC PLANTING (area 60m2)
Pre-planted 2m wide coir rolls with 10 no plants per m2 positioned with stones to edge of pond.
Plant mix:
Carex acutiformis (Lesser Pond Sedge)
Juncus effusus (Soft Rush)
Lythrum salicaria (Purple Loosestrife)
Iris pseudacorus (Yellow Flag Iris)
Phalaris arundinacea (Reed Canary Grass)



DETAIL FOR HOGGIN PATH 1 : 10



KEY
- Boundary to Phase 1 POS works
- EHS Trees
- Feathered trees
- Structure Planting Belt/ Thicket Mix
- Native Hedgerow
- Species Rich Grass Mix
- Amenity Grassland
- Area of permanent water
- Aquatic planting
- Hoggin footpath (detail above)
- 300mm depth gravel
- 450mm high post and one rail fence

SPECIFICATION FOR WILD FLORA ESTABLISHMENT AND MANAGEMENT

Sow seed early March-early May or early August-mid September at 5 gms per m2.
Prior to cultivation, any perennial weeds to be treated with a glyphosate herbicide and allow to die back. Annual weeds are to be treated with a contact herbicide. Lightly disc harrow remaining vegetation, and sow seed,(mixing one part seed with four/ five parts dry sand) then lightly roll into soil. Do not apply fertiliser.
In the first year cut every 6-8 weeks to a height of 50-75mm to keep grass from overgrowing the wild flora, and remove cuttings.
In following years, undertake one cut in early Spring and one cut in October, to a height of 50-75mm. The second cut should be undertaken by a flail mower, the hay left for a few days to dry off and drop seeds, and then collected with a forage harvester or bailer.(A local farmer could be contracted to provide this service in return for the hay crop) . The smaller areas between the trees within the wild flower meadow will have to be undertaken by conventional mowers or strimmers.

SPECIFICATION FOR STRUCTURE BELT AND HEDGEROW MANAGEMENT

All specimen trees are to grow to their expected mature height, and any pruning will be to cut back overhanging branches or to remove broken, dead, diseased or suckering branches.
Trees within grassed areas are to be mulched with a minimum 1m dia bark mulch area to the base of the tree, and the outer ring to be demarkated with three softwood posts, min 50mm dia, buried 300mm in the ground and 900mm above ground. Trees are to be further protected with a weldmesh tree guard, 1200mm high and 300mm dia, buried beneath soil level and stapled to the tree stake on one side.
All trees are to be watered May-September with 200-250 litres of water per month
All plants within the structure planting and thicket mix are to be planted with semi-rigid polupropylene guards, height 600mm, buried 50mm into the ground. The ground beneath the structure planting is to be maintained by keeping an area of 600mm dia around each plant weed free with regular use of herbicide, undertaken on non-windy days to avoid damage to the species rich grassland, and the spaces between to be regularly strimmed. The shrub species within the structure planting is to be thinned out by 50% after 5 years to allow the tree species to grow on.
The thicket mix is to be maintained weed free by the application of a 75mm bark mulch throughout the whole bed and regular spot treatment of weeds. The thicket mix is to be regularly cut back every third year to encourage dense bushy growth.
The hedgerow to the A259 will be planted with semi-rigid polupropylne guards, height 450mm, buried 50mm into the ground, and the whole area of the hedge is to be mulched, and maintained weed free with regular use of herbicide, undertaken on non-windy days to avoid damage to the species rich grassland. The hedgerow will be maintained at 1.8m width and to a maximum of 2m high, and close trimmed to provide a densely leaved screen.

rev I Additional planting around sub-station Apr 2014
rev H Pond re-shaped. Fence added around pond banks, aquatic planting added Feb 2014
rev G Hedgerow numbers corrected. Species rich grass area defined. Numbers added to schedule Dec 2013
rev F Hippophae removed Nov 2013
rev E Sub station added and red line boundary amended. amended. Footpath detail added Oct 2013
rev D Drawing title chanaed. Road layout corrected. Red line boundary amended. Footpath detail added Sep 2013
rev C Amended to ecology report, Entrance feature added Water attenuation ponds amended July 2013
rev B Structure planting and native hedge mixes amended Management specification clarified Feb 2013
rev A Mounding added Jan 2013

LINDA OAK LANDSCAPE DESIGN
Dip. L.A., M.L.I.
76A Hammonds Lane
Totton
Hampshire
SO40 3LE
Tel/ Fax 023 80666758
e-mail lindaoaklandscape@tiscali.co.uk

Client
Barrett Homes SC

Job Title
Courtwick Lane
Littlehampton

Drawing Title
A259 Landscape Area-
S106 Approval Layout

Dra No	Revision
972/ 02	I
Date	Scale
Jan 2013	1 : 500 @ A0/ 1:1000@A1