to engineers specification

NOTES
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REFER TO FABRIK DRAWING L.231

Proposed flood continuity culverts/ flood arches to engineers specification

Limit of floodplain

Proposed flood continuity culverts/ flood arches to engineers specification

857 Crataegus monogyna
514 Cornus sanguinea
514 Crataegus laevigata
342 Ilex aquifolium
342 Ribes nigrum
342 Rosa canina
514 Viburnum opulus
* Refer to plant schedule for final area numbers

Typical carriageway to engineers specification

Proposed maintenance access to engineers specification

Limit of floodplain

45 Crataegus monogyna
27 Cornus sanguinea
27 Crataegus laevigata
18 Ilex aquifolium
18 Ribes nigrum
18 Rosa canina
27 Viburnum opulus
* Refer to plant schedule for final area numbers

129 Crataegus monogyna
77 Cornus sanguinea
77 Crataegus laevigata
51 Ilex aquifolium
51 Ribes nigrum
51 Rosa canina
77 Viburnum opulus
* Refer to plant schedule for final area numbers

1397 Crataegus monogyna
838 Cornus sanguinea
838 Crataegus laevigata
558 Ilex aquifolium
558 Ribes nigrum
558 Rosa canina
838 Viburnum opulus
* Refer to plant schedule for final area numbers

Flood compensation area to engineers specification

Proposed highway drain to engineers specification

Proposed flood continuity culverts/ flood arches to engineers specification

Limit of floodplain

Typical footway construction to engineers specification

Extent of hedgerow and vegetation removal to be decided on site

Existing footpath to be retained and refurbished where necessary

Typical carriageway to engineers specification

Phase boundary as detailed by engineers

Only marked and tagged trees to be removed from site. Any other tree which is not marked and tagged will require permission from LPA

Existing 1m footpath to be retained and refurbished where necessary

1393 Vinca minor
995 Cotoneaster dammeri
* Groundcover planting to be planted in groups of 40 or above

Only marked and tagged trees to be removed from site. Any other tree which is not marked and tagged will require permission from LPA

Typical carriageway to engineers specification

Only marked and tagged trees to be removed from site. Any other tree which is not marked and tagged will require permission from LPA

Existing footpath to be retained and refurbished where necessary

SHRIPNEY LANE A29 — Shripney Lane A29

225 Sarcococca hookeriana
65 Mahonia aquifolium 'A'
125 Mahonia aquifolium 'A'
265 Berberis thunbergii 'AN'
130 Viburnum davidii
200 Berberis thunbergii 'AN'
100 Aucuba japonica 'S'
100 Berberis thunbergii 'AN'
252 Sarcococca hookeriana
130 Viburnum davidii
60 Rosmarinus 'MJU'

Highway drainage pond K to engineers specification

Grass type to ecologists specification

Phase boundary as detailed by engineers

Proposed maintenance access to engineers specification with lockable bollard

262 Berberis darwinii
262 Cornus alba
262 Symphoricarpos orbiculatus
262 Viburnum tinus
*Shrub planting to be planted in groups of 9 or 12

85 Crataegus monogyna
51 Cornus sanguinea
51 Crataegus laevigata
34 Ilex aquifolium
34 Ribes nigrum
34 Rosa canina
51 Viburnum opulus
* Refer to plant schedule for final area numbers

Typical footway construction to engineers specification

173 Crataegus monogyna
103 Cornus sanguinea
103 Crataegus laevigata
69 Ilex aquifolium
69 Ribes nigrum
69 Rosa canina
103 Viburnum opulus
* Refer to plant schedule for final area numbers

Planting Guidelines
All planting and landscape operations should comply with the requirements specified in BS 3936 (1992) Nursery Stock Part One and BS 4428 (1989) Code of Practice for General Landscape Operations (excluding hard surfaces)

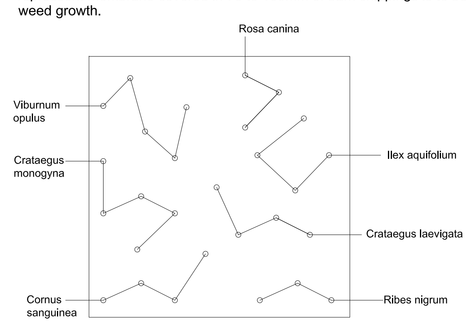
Maintenance Notes
- All landscaped areas to be maintained for 12 months.
- All planted areas to be forked through regularly to keep soil loose and aerated.
- All litter and debris to be removed from landscaped areas and carted off site.
- Plants refirmed and straightened as required.
- Plants pruned as instructed by the Landscape Architect to promote healthy growth and to remove dead and diseased wood.
- Watering as required to maintain healthy growth (allow for 12 N° waterings minimum).
- Any species that dies or fails to establish in the first five years should be replaced by identical species.
- Allow for a minimum of 18 maintenance visits.

Additional Notes
- Existing levels to be preserved around existing trees and vegetation to be retained.
- Existing trees and vegetation to be retained are to be protected during construction to BS 5837.2005. (Refer to tree survey carried out by *tree* fabrik / July 2007)
- Any necessary tree works to be carried out by an approved tree surgeon to BS 3998.
- All trees to be protected by plastic cones.
- All shrub planting to be protected by plastic cones.
- All planting in visibility splays should be below 600mm in height.

Typical Tree Planting
To be planted as rootballed stock in the first available planting season after construction. Stock size proposed is as shown and tree support shall be two softwood stakes @ 7.5cm diameter @ 230cm length and should be driven into the ground to knee-height with ties and horizontal cross support.
Tree pit: 750x750x900mm depth

Typical Native Mix Planting
Landscape buffer planting to be planted at a rate of 2 plant per 1m² in a random staggered matrix. Understorey plants of the same species to be planted in groups of 3 to 5. Areas to be planted in the first available planting season after construction in a minimum 450mm depth of clean topsoil, with a minimum of 75mm approved bark mulch applied.

Roundabout Mitigation Planting
To be planted as container grown stock in the first available planting season after construction. Stock size to be 3 litre, type and densities proposed are as shown. Plants are to be planted in a minimum depth of 450mm of approved topsoil overlying clean subsoil previously broken up by the Main Contractor to alleviate any compaction. Weed represent membrane covered in 75 to 100mm of bark chippings is to be used to prevent weed growth.



Typical Native Planting Matrix - shrub planting with 2m spacing all shrubs are to be planted in groups of 100no or more.

Proposed Tree Planting on Roundabouts

Proposed Specie	Symbol	Size/Spec	Condition	Quantity
Carpinus betulus	Cb	3500-4250/ 12-14cmg	RB	13
Prunus avium	Pa	3500-4250/ 12-14cmg	RB	25

Proposed Tree Planting on Landscape Bunds

Proposed Specie	Symbol	Size/Spec	Condition	Quantity
Acer campestre	Ac	2000-2500/ 6-6cmg	BR x 2TP	141
Betula pendula	Bp	2000-2500/ 6-8cmg	BR x 2TP	161
Fraxinus excelsior	Fe	2000-2500/ 6-8cmg	BR x 2TP	120
Quercus robor	Qr	2000-2500/ 6-8cmg	BR x 2TP	173

Proposed Native on Landscape Bunds

Proposed Specie	%mix	Density	Size/Spec	Condition	Quantity
Crataegus monogyna	25	2m²	300-600mm	BR	16227
Crataegus laevigata	15	2m²	300-600mm	BR	9733
Cornus sanguinea	15	2m²	300-600mm	BR	9733
Ilex aquifolium	10	2m²	300-600mm	BR	6482
Ribes nigrum	10	2m²	300-600mm	BR	6482
Rosa canina	10	2m²	300-600mm	BR	6482
Viburnum opulus	15	2m²	300-600mm	BR	9733

Proposed Roundabout Planting

Proposed Specie	Density	Size/Spec	Condition	Quantity
Aucuba japonica 'Salicifolia'	5m²	30-40 cm	CG	415
Berberis thunbergii 'Atropurpurea Nana'	5m²	20-30 cm	CG	811
Cotoneaster dammeri	5m²	30-40 (D)	CG	1820
Mahonia aquifolium 'Apollo'	5m²	20-30 cm	CG	479
Rosmarinus 'Miss Jessop's Upright'	5m²	30-40 cm	CG	360
Sarcococca hookeriana	5m²	20-30 cm	CG	1004
Viburnum davidii	5m²	20-30 cm	CG	850
Vinca minor	7m²	10-15 cm	CG	2773
Berberis darwinii	5m²	30-40 cm	CG	262
Cornus alba	5m²	30-40 cm	CG	262
Symphoricarpos orbiculatus	5m²	30-40 cm	CG	262
Viburnum tinus	5m²	30-40 cm	CG	262

Proposed Meadow Grass
(along Eastern site boundary and towards Ecological Zone)
Emorsgate seed mixture EM6 or similar and approved. The range of plants proposed below provide meadow grass mix of wildflower and grasses. Grass seed to be sown on a prepared seed bed at 4 grams per m². It is recommended not to increase the sowing rate as this will affect the growth pattern of the wildflower mixture.

Wildflower Mix - 20%

Species	Common name	% Mix
Achillea millefolium	Yarrow	0.5
Anthyllis vulneraria	Kidney Vetch	1.5
Centaurea nigra	Common Knapweed	1.0
Centaurea scabiosa	Greater Knapweed	1.0
Clinopodium vulgare	Wild Basil	0.5
Daucus carota	Wild Carrot	1.0
Galium verum	Lady's Bedstraw	1.0
Knautia arvensis	Field Scabious	1.5
Leontodon hispidus	Rough Hawkbit	1.0
Leucanthemum vulgare	Oxeye Daisy	1.0
Lotus corniculatus	Birdsfoot Trefoil	1.0
Origanum vulgare	Wild Marjoram	0.5
Pimpinella saxifraga	Burnet-saxifrage	0.5
Plantago media	Hoary Plantain	1.0
Primula veris	Cowslip	1.0
Prunella vulgaris	Selfheal	1.0
Ranunculus acris	Meadow Buttercup	1.5
Reseda lutea	Wild Mignonette	1.0
Sanguisorba minor ssp minor	Salad Burnet	2.0
Scabiosa columbaria	Small Scabious	0.5

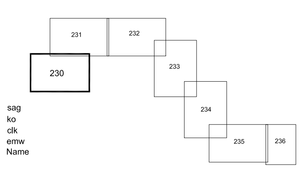
Legend

- Existing Trees to be retained and protected
- Proposed Tree Planting
- Existing Trees and vegetation to be removed
- Proposed Native Mix Planting
- Proposed Shrub Planting
- Proposed Groundcover Planting
- Proposed Meadow Grass Emorsgate seed mixture EM6 or similar and approved
- Proposed Grass
- Street Lighting to Engineers Specification
- Proposed Temporary Access Road
- Proposed Balancing Ponds to Engineers Specification
- Design and build limits
- 1m high Acoustic Fence to Engineers Specification
- 1.5m high Acoustic Fence to Engineers Specification
- 2m high Acoustic Fence to Engineers Specification
- Site Boundary

NORTH

No.	Date	Revisions	
D	05.10.11	Drawing updated to shows trees location along the road and plant schedule updated	sag
C	12.07.11	Drawing updated in line with revised engineers base	ko
B	11.05.11	Drawing updated to County Councils's comments	clk
A	10.08.03	Aquatic planting replaced with grass	emw
		Reason	Name

External References:
- D1530 Felpham, Bognor Regis\Alton\Drawings\WSP\07.08.23\30854-GA-02 TO GA-06\copy GA-06_site layout.dwg
- D1530 Felpham, Bognor Regis\Alton\Drawings\Engineer\Recvd 10-06-08\Western Section Eng Base -08-06-10\Western Section Eng Base_copy.dwg
- D1530 Felpham, Bognor Regis\Drawings\Engineer\Recvd 11 07 06\30854-GA\ & KDs\Model XRefs\Xearthworks proposed - Copy.dwg
- D1530 Felpham, Bognor Regis\Drawings\Engineer\Recvd 11 07 06\30854-GAs & KDs
- D1530 Felpham, Bognor Regis\Drawings\Engineer\Recvd 11 07 06\30854-GAs & KDs



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Project
Felpham, Bognor Regis
for Barratt and David Wilson Homes

Drawing
Detailed Soft Landscape General Arrangement (Proposed Relief Road)

Scale: 1 : 500@A0
Date: Jun'10
Drawn: clk
Drawing No.: D1530.L.230
Revision: D

- [ ] Preliminary
- [x] Issued for Planning Approval
- [ ] Issued for Construction
- [ ] Issued for Design/Information
- [ ] Issued for Tender
- [ ] As Built

Drawing sheet size - A0

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