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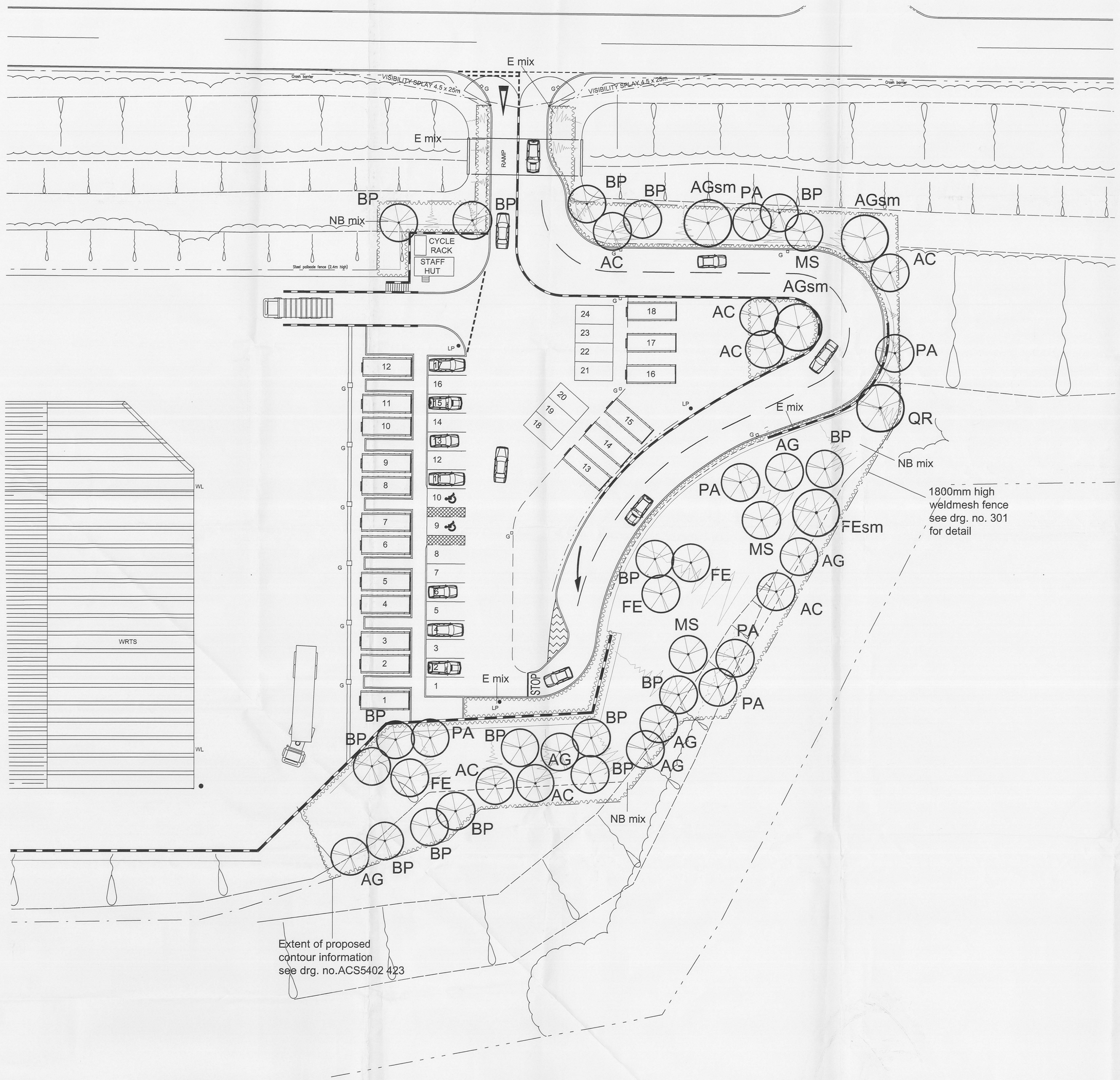
Household Waste Recycling Site, Pebsham

Planting Proposals



RPS Design (Bristol), Landscape Specification.

General
It is the responsibility of the developer to design foundations to accommodate all proposed and existing tree and shrub planting, with reference made to NHBC Standards, Parts 4.2 July 2003 (*Building near Trees*.)
The developers should satisfy themselves that trees are a safe distance from drainage runs and services and that no planting falls within service strips.
The landscape contractor shall make himself aware of all service locations prior to commencement of operations.
All planting work to be carried out in accordance with BS4428:1989 'Code of Practice for *General Landscape Operations*'.
Where any deviation from this specification occurs within a scheme, the contractor shall request the relevant detail from the designer prior to proceeding.
Existing Vegetation
All trees which are shown for retention should be inspected for safety by a qualified member of the Arboricultural Association in accordance with BS 5837 1991 *Trees in Relation to Construction*. They should be protected during all phases of construction with temporary fencing in accordance with BS 5837 2005 and must comply with all applicable planning conditions. Any tree surgery required shall also be in accordance with BS 3998 1989.
The landscape contractor shall make the Landscape Architect aware of any notifiable weeds on site.
Topsoil
The landscape contractor shall satisfy himself as to the suitability and availability of topsoil on site, and if necessary topsoil shall be imported from an approved site. Soil testing to be carried out as required by the CA. All topsoil to be in accordance with BS 3882 1994
Shrub areas ..... min 450mm depth
Tree pits to be backfilled with topsoil – see tree planting specification
Soil Ameliorants – to be applied to all newly planted areas.
Seaware Soilbuilder or similar approved – Incorporate approx 1.5kg per m^2 of backfill and 70gm^{-2} to shrub beds, or as per manufacturers instructions
Granular Slow Release Fertiliser (Scotts Entrag 4-19-10+7.5Mg+3.4%S) or similar approved to be applied as per manufacturers instructions.
Plant Stock
All plant material to be as specified in the Plant Schedule, and available for inspection by the Landscape Architect.
All plant material to be in accordance with BS 3936 Part 1 (1992), '*Nursery Stock Specification for Trees and Shrubs*', BS3936 Part 10: 1990 '*Nursery Stock Specification for Ground-cover Plants*', and '*Handling and Establishing Landscape Plants*' HTA 1985, revised edition March 2002.
Any stock planted outside the retoginised planting season to be containerised. Containerised plant stock to have fully developed root system within the specified pot size. Where growing-on in the nursery is necessary all plant material is to be re-potted to the next approved pot size, re-spaced to allow for 15-20% growth per growing season, and maintained to healthy vigorous growth irrespective of weather conditions.
Planting Specification - Proposed Trees and Shrub Areas
Weed control to be carried out by a qualified operative using an application of approved translocated systemic herbicide in line with 1997 *Control of Pesticide Regulations* and 2003 COSHH.
All beds to be thoroughly forked over or rotovated to a minimum depth of 400 mm, ensuring that the subgrade and topsoil are both free draining. All planting beds to be 90mm below adjacent grass/hard surfaces.
Tree Planting
Trees to be planted into prepared tree pits, backfilled with topsoil/soil ameliorants as above.
Tree pits, container grown: 5-10cm girth : 900mm diam. x 750mm depth
10-18cm girth : 1200mm diam x 900mm depth
semi-mature : 1500mm diam x 1050mm depth
Rootballed trees – tree pit diameter to be 500mm greater than root ball, wide enough to accommodate roots when fully spread. Depth of all tree pits to be 150mm greater than depth of rootball /container and backfilled with 150mm layer of approved drainage gravel. Base and sides of all pits to be roughened to allow root penetration. Works to be in accordance with BS 4043:1989 *Transplanting root-balled trees*.
All trees to be staked and tied as follows: they shall have a 400mm diameter circle around the base of the trunk to be maintained free from grass and spread with 75mm mulch.
All trees to watered-in when planted with a minimum 54L, and then on a weekly basis for the duration of the 12 Month Maintenance Period, except when the weather conditions are very wet.
Tree Stakes: All trees except for semi matures to be single staked - stakes well driven into the ground minimum 300mm into bottom of tree pit. Stakes to be pressure treated, round softwood stakes, free from knots, twisted grain, sap or other defects, and secured with proprietary tree tie, nailed to the stake. For trees 14-16cm girth or larger, 2no 100mm diameter stakes required. All stakes to be pointed at one end, extending above ground by 1/3 of the height of the ground to 1st branch.
Shrub Planting
Shrubs to be planted in pits 150mm wider and deeper than their root spread. Pits to be backfilled with a mixture of topsoil/soil ameliorants as above.
Pits to be thoroughly forked over or rotovated to a minimum depth of surface.
All stock to be well watered when planted with 20L of water per m^2.
Following planting and watering operations, beds to be mulched with 75mm of mulch.
Buffer Planting
All feathered trees and whips to be planted in prepared pits 600x600x600mm for feathered trees, and 300x300x300mm for whips. Pits to be backfilled with topsoil/soil ameliorants as above. All plants to be well firmed. Feathered trees to be single staked
Whips to be 'J' rooted and planted with minimum of a 6L/whip and 18L /feathered tree prior to applying 75mm deep bark mulch.
All trees to be fitted with proprietary rabbit guards.

Maintenanace.
Regular visits shall be made for twelve months following practical completion, to maintain all planted areas in a weed and litter free condition. Minimum number of visits to be :-
Shrub beds - 12 visits per annum minimum.
Maintenance visits to include watering, pruning, pest/disease control, litter removal, checking tree stakes/ties and re-mulching as required.
All planting beds to be maintained with a mulch layer of medium grade pulverised bark (0-30mm particle size), to a depth of 75mm. All mulch to be pest, disease and weed free and shall not have been treated with any additives. Mulch to be spread carefully so as not to cover shoots and foliage, and to finish 15mm below adjacent surfaces.

REPLACEMENT STOCK
All replacement plant stock to be in accordance with BS 3936 Part 1(1992) and Part 10 (1990), and BS 3969 1998. All plant handling to be in accordance with '*Handling and Establishing Landscape Plants*', HTA, 1985, revised edition March 2002.

Maintain mulch around planting as follows:
Mulch to be maintained at a depth of 75 mm, or similar approved by the CA. Mulch to consist of medium grade pulverised, composted bark mulch (0 – 30 mm particle size), or to match composition of any existing mulch.
Sweep up and replace mulch spilling onto adjacent areas and, if not contaminated by weeds or rubbish, return to planted area.

PROPOSED TREES

Code	Species	Form	Girth (cms)	Height (cms)	Min. No. Branch	Roots
AC	Acer campestre	Std (sel)	10-12	300-350	4	RB
AG	Alnus glutinosa	Std (hvy)	12-14	350-425	5	BR
AGsm	Alnus glutinosa	Std (ex hvy)	14-16	425-600	5	RB
BP	Betula pendula	Std (ex hvy)	14-16	425-600	5	RB
FE	Fraxinus excelsior	Std (hvy)	12-14	350-425	5	RB
FEsm	Fraxinus excelsior	Std (ex hvy)	14-16	425-600	5	RB
MS	Malus sylvestris	Std (sel)	10-12	300-350	4	RB
PA	Prunus avium	Std (hvy)	12-14	350-425	5	RB
QR	Quercus robur	Std (ex hvy)	14-16	425-600	5	RB

NATIVE BUFFER MIX –NB mix

% mix	Species	Age/form	Height (cms)	Roots	Specification
20	Viburnum opulus	1+1	40-60	BR	Branched, min. 2 breaks
25	Corylus avellana	1+1	40-60	BR	Branched, min. 2 breaks
15	Euonymus europaeus	1+1	40-60	BR	Branched, min. 3 breaks
15	Carpinus betulus	1+2	60-80	BR	
10	Ligustrum vulgare	1+1	40-60	BR	Branched, min. 3 breaks
10	Cornus sanguinea	1+1	40-60	BR	Branched, min. 2 breaks
5	Sambucus nigra	1+2	60-80	BR	Branched, 3 breaks

Plant at a density of 1.5 per m^2 in random species groups of 7, 9 or 11, avoiding obvious straight lines.

EDGE MIX – E mix
to be planted as a 0.75m wide band to the edge of NB mix

% mix	Species	Roots/min. pot size	Height (cms)	Specification
33.3	Hedera helix 'Green Ripple'	2 ltr	40-60	Min. 2 breaks from base
33.3	Vinca minor alba	1.5 ltr	15-20	5/6 shoots form pot level
33.3	Vinca minor	1.5 ltr	15-20	5/6 shoots form pot level

Plant at a density of 7 plants per m^2, in random species groups of 5, 7or 9 avoiding obvious straight lines.

KEY

Planting

- Proposed trees
- Buffer/edge mix
- Existing vegetation to be removed

AMENDED PLAN
App. No: 11/599/LPA
Date Received 19/09/10
Officer's Initials

APPROVED
Date 25/6/10
Officer's Initials

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The Contractor is to check and verify all building and site dimensions, levels and sewer invert levels at the commencement of the work and RPS Design must be notified of any variation to the drawing. Building Legislation, British Standard Specifications, Building Regulations, Construction (Design & Management) Regulations, Party Wall Act, etc, whether or not specifically stated on this drawing. This drawing must be read with and checked against any structural, geotechnical or other specialist documentation provided.

This drawing is not intended to show details of foundations, ground conditions or ground contaminants. Each area of ground relied upon to support any structure depicted (including drainage) must be investigated by the Contractor. A suitable method of foundation should be provided, allowing for existing ground conditions. Ground levels, gradients and contaminants affecting the proposed works must be investigated by a suitable expert. Any earthwork constructions shown indicate typical slopes for guidance only & should be further investigated by a suitable expert.

Where existing trees are to be retained they should be subject to a full Arboricultural inspection for safety. All trees are to be planted so as to ensure they are a minimum of 5 metres from buildings and 3 metres from drainage services. A suitable method of foundation is to be provided to accommodate the proposed tree planting.

Sketch proposals are for illustrative purposes only & as such are subject to detailed site investigation including ground conditions/contaminants, drainage, design & planning/energy regulations. Sketch proposals may be based upon enlargements of OS sheets & visual estimations of existing site features, accuracy will therefore need to be verified by survey. Sketch proposals have not been considered in respect of CDM Regulations.

Notes:

NORTH

Rev. A 11.03.10 Layout amended in line with Planning Officers comments

Revisions:	Date:	Amendment:	Name:	Checked:

For guidance only. Do not scale off this drawing

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Title: Planning Proposals

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Architects Engineers Surveyors
Landscape Architects Services Consultants