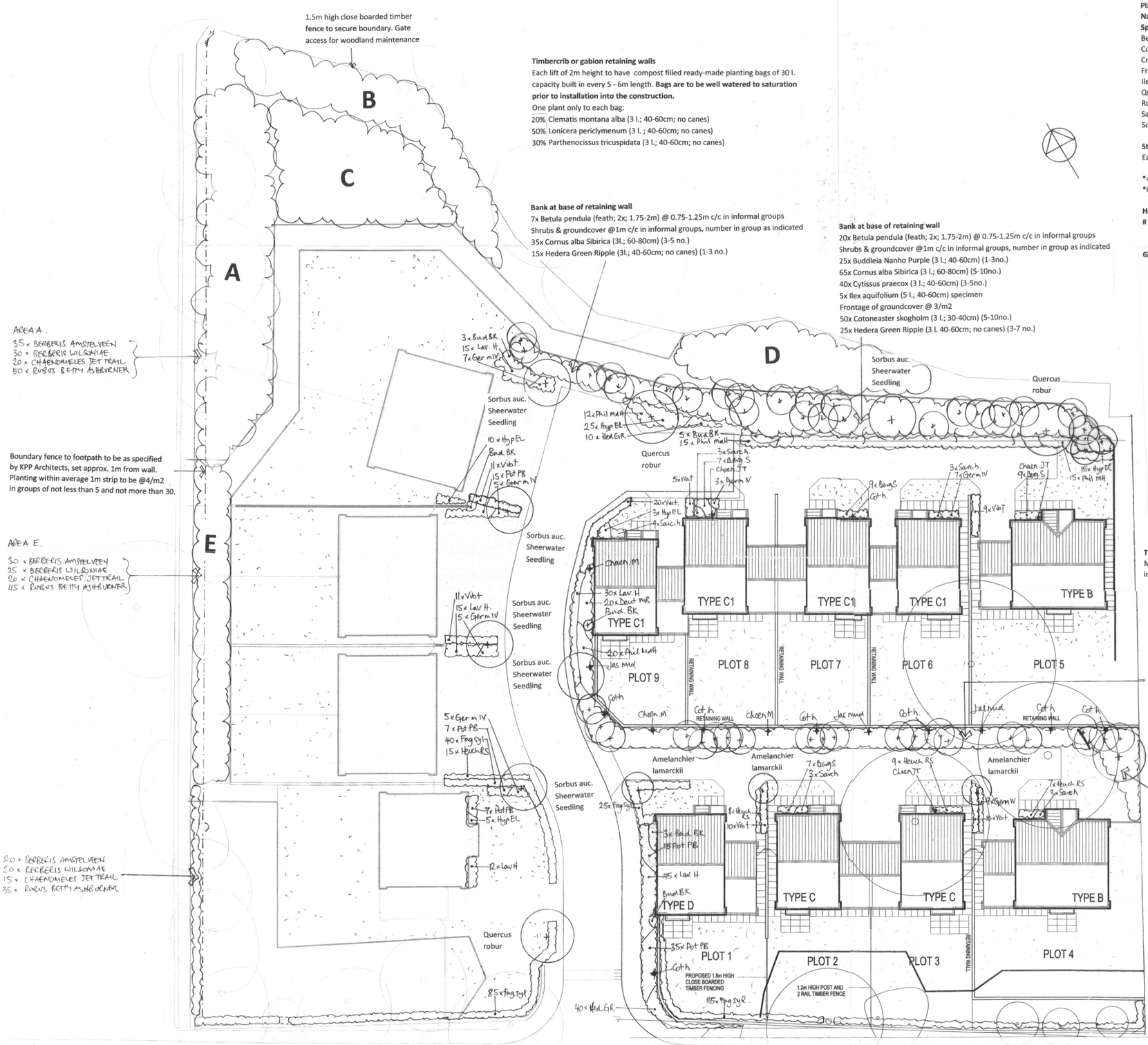


Planting Schedule:

Native planting @ 1.5m c/c with dark 600mm high spiral guards & stout canes

Species	Size	Area	A	B	C	D	E	Total
Betula pendula	feath; 2x; 1.75-2m		5	0	15	5	10	30
Corylus avellana	tr; 1u1; 1-1.25m		20	10	10	5	0	45
Crataegus mon.	feath; 2x; 1.25-1.5m		25	10	15	10	10	70
Fraxinus excelsior	feath; 2x; 2-2.5m		0	0	10	0	0	10
Ilex aquifolium	5 l. pot		10	5	0	0	5	20
Quercus robur	feath; 2x; 2-2.5m		5	0	20	0	0	25
Rosa canina	tr; 1+1; 60-80cm		20	0	0	0	0	20
Salix caprea	cutt; 0+2; 1.2-1.5m		5	0	5	0	0	10
Sorbus aucuparia	feath; 2x; 2-2.5m		5	0	0	5	0	10

Street Trees

Each marked * planted with double stake to 1.2m , cross piece, rubber spacer & tie

3 Amelanchier lamarckii (1.5-2m multistem; 45 l.)
*4 Quercus robur (ex H. std; 14-16; 75 l.)
*6 Sorbus aucuparia Sheerwater Seedling (ex H. std; 14-16; 75 l.)

Hedges @ 500mm c/c ; plants # with dark 600mm high spiral guards & stout canes

265 Fagus sylvatica (tr; 1+2; 80-100cm)
76 Viburnum tinus (40-60cm; 5 l. pot)

General shrub & groundcover planting ; planting density as indicated

85 Berberis Amstelveen (3 l.) (4/m2)
75 Berberis wilsoniae (3 l.) (4/m2)
32 Berg S - Bergenia Silberlicht (3 l.) (4/m2)
49 Betula pendula (feath; 2x; 1.75-2m) (as indicated)
14 Bud BK - Buddleia Black Knight (3l. 40-60cm) (as indicated)
25 Buddleia Nanho Purple (3l. 40-60) (1m c/c)
58 Chaen JT - Chaenomeles Jet Trail (3l. 40-60cm)(as indicated)
3 Chaen M - Chaenomeles Moerloesii (3l. 40-60cm) (as indicated)
125 Cornus alba Sibirica (3 l. 60-80cm) (1m c/c)
8 Cot h - Cotoneaster horizontalis (3 l. 30-40cm) (as indicated)
310 Cot skog - Cotoneaster skogholm (2 l. 30-40cm) (3/m2)
40 Cytissus praecox (5 l. 40-60cm) (1m c/c)
20 Deut MR - Deutzia Mont Rose (3 l. 30-40) (3/ m2)
51 Ger m IV - Geranium macrhorhizum Ingwersons Var. (3 l.) (4/m2)
205 Hed GR - Hedera Green Ripple (3 l. 40-60cm; no canes) (3/m2)
39 Heuch RS - Heuchera Red Spangles (3 l.) (4/m2)
58 Hyp El - Hypericum inodorum Elstead (3 l. 30-40cm) (4/m2)
5 Ilex aquifolium (5 l.; 40-60cm) (specimen planted at intervals)
3 Jas nud - Jasminum nudiflorum (3 l. 30-40cm)(as indicated)
65 Lamium galeobdolon (2 l.) (3/m2)
117 Lav H - Lavendula Hidcote (3 l. 20-30cm) (4/m2)
62 Phil MdH - Philadelphus Manteau d'Hermine (3 l. 30-40cm) (4/m2)
79 Pot PB - Potentilla Primrose Beauty (3 l. 30-40cm) (4/m2)
130 Rubus Betty Ashburner (3 l.) (4/m2)
16 Sarc h - Sarcococca humilis (3 l. 30-40) (4/m2)

Timbercrib or gabion retaining walls

Minimum numbers - additional numbers may be needed if retaining construction increases. One plant per bag

6 Clematis montana alba (3 l. 40-60cm; no canes)
15 Lonicera periclymenum (3 l. 40-60cm; no canes)
10 Parthenocissus tricuspidata (3 l. 40-60cm; no canes)

Intermediate bank (inc. corner adj. to spine road)

22x Betula pendula (feath; 2x; 1.75-2m) @ 0.75-1.25m c/c in informal groups
Groundcover @3/m2 in groups of 7-20
160x Cotoneaster skogholm (3 l.; 30-40cm)
90x Hedera Green Ripple (3l.; 40-60cm; no canes)
65x Lamium galeobdolon (2l.)

Quercus robur

End of Bank

25x Cornus alba Sibirica (3l.; 60-80cm) @1m c/c
50x Cotoneaster skogholm (3l.; 30-40cm) @ 2/m2

SPECIFICATION

TOPSOIL

Topsoil is to be thoroughly cultivated prior to planting and any large stones, grass sod and other rubbish removed. Topsoil surfaces are to marry evenly into any adjacent soft landscaping. Topsoil shall comply with the current BS3882(2007)
Compost (proprietary **non-peat**, or natural manure) is to be worked into the topsoil at the manufacturers recommended rate or at the rate of 80 ltrs/ Sm2.
Depth of topsoil in planting beds is to be 300mm if underlain by good quality subsoil. In all other circumstances topsoil shall be a minimum of 450mm depth. For island beds less than 1m width topsoil depth shall be 600mm. **All areas shall have any compaction thoroughly relieved prior to topsoiling**

PLANT MATERIAL

All plant material shall as a minimum conform to the most recent of the following BS's or the equivalent European Standards: BS3936 Pt. 1 1992 (Trees & shrubs); PT.2 1990 A1 90 (Roses); Pt.3 1990 C95 (Fruit, soft & tree fruit); Pt.4 1984 C 89 (Forest trees)Pt.9 1998 (Bulbs, corms & tubers); Pt.10 1989 (Groundcover plants). The plant material should also meet the National Plant Specification standards.

Packaging & delivery
Packaging and delivery of plant material shall be in accordance with the Code of Practice published by the JCLI, and shall be adequately stored and protected prior to planting.

Species
Species and size of plant material is to comply with the accompanying schedule. The contractor is to obtain approval before substituting any of the species listed, otherwise the substitutes may be rejected.

Trees
All trees shall have a sturdy, reasonably straight stem and an evenly balanced head with a clearly defined leader and well balanced root system.
Any rootballed or bare rooted stock is to be planted in the recognised planting season (Nov-March). Outside the planting season only container grown trees may be planted

Tree pits
Tree pits shall be sufficiently large to accommodate the root ball of the tree. Generally tree pits shall be 600mm depth, 700 x 700 mm for heavy standard trees. Tree pit bases to be loosened and shall be backfilled with topsoil and compost mix as described.
For container grown trees the pits should accommodate the container comfortably. Any space around the container ball should be backfilled with good quality topsoil and firmed. Any visible topsoil around a tree shall be covered with bark mulch as described.

Tree support
Unless otherwise stated, standard trees and larger shall be supported by 2 no. stakes 1800mm long driven into the ground 600mm depth; 50 x 75 cross brace fixed at 25mm below stake tops and tree secured by 1 no. rubber spacer and tie.

Woodland planting in existing tree and groundcover locations.
Areas are to be cleared of rubbish and deleterious material which is to be disposed off site.
Planting stations of 500mm dia. @1.5m c/c shall be cleared of grass, weeds and undergrowth prior to planting in order to enable future maintenance. Bare root plants shall be notch planted in sufficient depth, any planting in rubble filled areas is to be pit planted in 300 x 300 x 300mm topsoil filled pits as are container grown plants. Spiral guards are to be fitted to plants and supported with stout canes.

Shrubs and herbaceous plants
These shall be first quality well rooted, non-refridgerated stock with well developed branch and root system and not pot-bound. Shrubs and herbaceous plants shall be pit planted with 1 no. slow release fertiliser tablet at spacings indicated.

Watering
All planting is to be well watered on completion.

All planting is to conform to the current BS 4428 (1989 A1 91), and be guaranteed for the first growing season and a show of leaf in the second.

Maintenance
The contractor is to carry out maintenance to the ornamental planted areas for the first 12 months after Practical Completion. This shall include fortnightly visits between March-October inclusive and once monthly between November-February inclusive. At each visit all weeds will be treated with glyphosate herbicide strictly to manufacturers recommendations and line with "Pesticides – Code of Practice for Using Plant Protection Products". Any weed not responding to herbicide will be removed by hand including the root. The ground should be watered to field capacity in dry periods and to ensure good establishment. Any broken or dead branches to be pruned off carefully. Remove all litter and rubbish at each visit. Check all tree stakes and ties and repair as necessary.
Woodland planting
Planting stations are to be treated with glyphosate herbicide in April, July and October to maintain a grass and weedfree area surrounding the stems. Guards are to be checked and adjusted or replaced.

TURFING & SEEDING

Turfing
Turfing shall comply with the current *BS3969 (1998) and BS4428 (1989 A1 91).*
A sample of the proposed turf shall be approved before laying. Topsoil shall be a minimum 150mm depth thoroughly cultivated and all weeds, rubbish, roots and stones over 30mm removed to contractors own tip. Ground surface is to be brought to a smooth, firm fine tilth free from humps and hollows such that the turf will rise 25mm above adjacent pavings. Pre-turf fertiliser to be spread to manufacturers recommendations. Turf shall be laid in bond off planks over turf already laid, and lightly firmed. Whole area is to be watered on completion. Turf on banks should be securely pegged over a roughened soil surface.
Establishment
Contractor shall be responsible for correct watering and a minimum of 3 no. cuts with a rotary mower such that grass does not exceed 80 mm in height.

Seeding
Seeded areas to have minimum 150mm depth of topsoil and be thoroughly cultivated with all rubbish, weeds, roots and stones over 30mm removed to contractors own tip. The ground surface is to be brought t a smooth firm fine tilth free from humps and hollows to finish 25mm above surrounding hard surfaces.
Seed is to be spread in 2 no. batches in transverse directions and raked into the soil. An appropriate fertiliser is to be spread at the manufacturers recommended rate at the time of the first cut.
The first cut shall be made when growth has reached 100mm and the height reduced to 25mm
Subsequent cuts shall be made when growth has reached 50mm and height reduced to 25mm. Seed is to be a low maintenance amenity mix spread at manufacturers recommended rate and to be ARCADE certified, complying with requirements of BS4428 (1989 A1 91)

Maintenance
The Contractor is to carry out maintenance and grass cutting to the sward for 12 months after Practical Completion. This shall include fortnightly cuts reducing sward height to 25mm between March and October and once monthly from November and February inclusive. Any areas of poor germination shall be treated as necessary and over seeded at the contractors expense. The sward will be considered complete when all areas are covered with growing grass.

MULCH

All shrub beds shall be mulched with a minimum depth of 75mm approved matured conifer bark with an even nominal particle size of 5-35mm with <5% dust and fines and less than 15% wood content. The mulch will be pest and disease free and not have been treated with methyl bromide or any additives. The pH shall be between 4.5 –5.5. The depth shall be maintained at the edges and kerbs by scooping out topsoil along the kerb edge. Contractor is to ensure that the soil is CLEAN, MOIST AND FREE FROM WEEDS immediately prior to spread of mulch. All areas shall be thoroughly watered prior to mulching if soil conditions are dry.

Maintenance
The full 75mm depth of mulch is to be maintained during the 12 months following Practical Completion. Sweep up any mulch on car park areas and footpaths and return to shrub beds.

This drawing is to be read in conjunction with KPP drawing 1613 - 220 latest revision

CLIENT Mr M J Howard
PROJECT Bank End Road, Barnsley
TITLE Landscape Proposals

REVISIONS
May 2014: Rev B
Amendment to housing layout
+ footpath boundary planting

SCALE 1:200 @ A1
DATE 3.11
DWG No 0540-1 REV B

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