



PLANTING NOTES

All trees to be planted and procured in accordance with BS 8545:2014. The providing nursery shall demonstrate Plant Healthy Certification and/or an adopted biosecurity policy and plant passport scheme. Aftercare shall be in accordance with the approved Landscape Management Document.

GROUND PREPARATION

- Where required all existing topsoil and subsoil shall be stripped and stored separately on site. Heaps must not exceed 3m in height and should be used within 12 months in accordance with BS 4425 (Code of practice for general landscape operations).
- Existing topsoil and inert sub soils, shall be analysed in accordance with BS 3882 to determine available nutrients, texture, organic matter content and pH. Where required, existing soils are to be improved in accordance with BS 3882:2015. Subsoils shall conform to BS 8601:2013
- In all instances, where soil is to be retained and relatively undisturbed for the purposes of planting new vegetation on site, then it must be alleviated to avoid compaction, must be tested for pH for specific species suitability, and may require the addition of biochar + compost + organic fertiliser + native soil.
- Imported topsoil and site won soils shall be to British Standards BS 3882 - Multipurpose Grade. Spread to 300mm depth over areas to be planted with trees and shrubs. Remaining minimum rooting depth to be provided by a good quality subsoil to BS 8601:2013, free of building material debris to achieve the following overall rooting depths:
Grass - 450mm
Shrubs - 600mm
Trees - 900mm

GRASS SEEDING

MEADOW AND SPECIES RICH GRASS SEEDING

A variety of grassland habitats will be created incorporating species to attract locally important species and enhance the biodiversity of the site. Where appropriate the seeds should be of local provenance and locally sourced but based on the mixed specified below:

SPECIES RICH GRASS (Emorsgate EL1 or similar approved)

Mixture EL1 is to be sown at a rate of 4g/m² and contains slow growing grasses with a selection of wild flowers that respond well to regular short mowing.

GENERAL WILDFLOWER MEADOW (Emorsgate EM2 or similar approved)

EM2 standard meadow mix contains the core meadow wild flower species which grow across a wide range of soils, and is a good foundation mix for landscaping and habitat creation. This meadow mixture is designed to create flower rich grassland with a particular emphasis on species which are known to be important as sources of pollen and nectar for bees, butterflies, hoverflies and other insects.

SUDS BASIN (Emorsgate EGB or similar approved)

EGB contains species suitable for seasonally wet soils and is based on the vegetation of traditional floodplain and water meadows. Soils in wet meadows may flood for short periods in winter, but are usually well drained in summer.

All mixes to be planted at a rate of 4g/m² into cultivated subsoil or nutrient poor topsoil. Fertilisers should not be incorporated at the time of planted unless advised otherwise by the seed company.

NATIVE HEDGE SCHEDULE

NATIVE HEDGE MIX SCHEDULE					
Nr	Name	Height/cm	Age	Root	Pot/L
146	Corylus avellana	60-80cm	1/2	BR	
632	Crataegus monogyna			BR	
98	Prunus spinosa			BR	
48	Rosa canina			BR	
48	Viburnum opulus			BR	

Native species shrub mix to be planted at 5/m in double staggered rows. To be pit planted into pits large enough to accommodate the root systems without constriction. Pits to be backfilled with a 3:1 topsoil:compost mix.

PLANTING SCHEDULES

TREE SCHEDULE

SPECIES	Ht in m	NUMBERS REQUIRED	
		3.5-4.25	4.25 min
	Grith in cm	⊕ 12-14	⊕ 14-16
Acer platanoides 'Lacinatum' (Apl)	5	2	4
Betula pubescens (Bpu)	2	-	-
Betula utilis var. jacquemontii (Buj)	15	2	2
Carpinus betulus (Cb)	6	5	5
Carpinus betulus 'Frans Fontaine' (CbFF)	-	-	6
Prunus padus (Pp)	2	-	-
Pyrus calleryana 'Chanticleer' (PcC)	-	-	1
Quercus robur (Qr)	1	2	-
Sorbus 'Embley' (SE)	4	-	-
Sorbus aria (Sa)	-	-	2

All trees to have clear stems to 1.8m above ground level and 2.0m above ground level for extra heavy standard and semi mature trees with well developed branching heads with a single, central leader and healthy, fibrous root systems. Trees shall be planted into pits of an appropriate size to accommodate the root system without restriction, backfilled with a 3:1 topsoil:compost mix and shall be secured to a machine rounded stake using 1 no. tree tie with rubber spacer. Finished height of stake shall not exceed 1/3 height of staked tree above ground. Foundation design of new buildings shall accommodate proposed tree planting in accordance with NHBC guidelines.

SHRUB SCHEDULE

ORNAMENTAL PLANTING SCHEDULE				
Shrub	Name	Ht in cm	Pot(L)	Density
73	Berberis thunbergii 'Atropurpurea Nana'	25-30cm	3L	5.98
61	Ceanothus thyrsiflorus repens	30-40cm	3L	4.98
47	Genista lydia	30-40cm(D)	3L	4.98
33	Hebe 'Green Globe'	20-25cm	3L	4.98
32	Hebe pinguifolia 'Sutherlandii'	25-30cm	3L	5.98
40	Hypericum calycinum	15-20cm	3L	6.96
31	Lavandula angustifolia 'Hidcote Pink'	25-30cm	3L	5.98
33	Lavandula angustifolia 'Hidcote'	25-30cm	3L	5.98
27	Mahonia aquifolium 'Apollo'	25-30cm	3L	4.98
35	Prunus laurocerasus 'Otto Luyken'	50-60cm	3L	4.00
37	Spiraea japonica 'Goldflame'	30-40cm	3L	4.00
33	Viburnum davidii	25-30cm	3L	4.98
37	Weigela florida 'Folius Purpureis'	30-40cm	3L	4.00

All shrub material shall be first quality, sturdy, well rooted non-refrigerated stock with well branched heads and fibrous root systems. Shrubs shall be planted into 450mm good quality fibrous topsoil incorporating organic compost and slow release fertiliser in accordance with all good horticultural practice. All plant material shall be a minimum of 3L pot size unless otherwise specified and conform to BS3936 Part 1 and BS 4428. Finished beds shall be lightly forked over and dressed with 50mm coarse forest bark mulch.

NATIVE SPECIES TREE & SHRUB SCHEDULE

NATIVE TREE & SHRUB MIX SCHEDULE					
Nr	Name	Height/cm	Age	Root	Pot/L
32	Acer campestre	60-80cm	1/1	B	
32	Betula pendula	60-80cm	1/1	B	
131	Corylus avellana	40-60cm		B	
98	Ilex aquifolium	30-40cm		C	2L
32	Lonicera periclymenum	60-80cm		C	3L
165	Prunus spinosa	40-60cm		B	
32	Rosa arvensis	50-60cm	1/1	B	
32	Rosa canina	50-60cm	1/1	B	
98	Viburnum opulus	40-60cm	1/1	B	

NATIVE SHRUB MIX SCHEDULE					
Nr	Name	Height/cm	Age	Root	Pot/L
185	Corylus avellana	40-60cm	1/1	B	
92	Ilex aquifolium	40-60cm		C	3L
229	Prunus spinosa	60-80cm	1/1	B	
92	Rosa arvensis	60-80cm	1/1	B	
138	Sambucus nigra	60-80cm	1/1	B	
185	Viburnum opulus	60-80cm	1/1	B	

Native species shrubs shall be planted at 0.75m centres (3/m²) & native species trees will be planted at 1m centres, into 450mm depth, good quality clean topsoil incorporating organic compost and slow release fertiliser, over un-compacted sub-grade. Prior to planting all bareroot plant stock shall be dipped into a suitable mycorrhizal plant dip in accordance with the manufacturers recommendations. Plants shall be planted in groups of 3-11 of a single species with the taller growing species to the back of the areas of the areas and the lower growing species to the edges of the areas. Planted areas to be mulched after planting with coarse grade forest mulch to a uniform depth of 50mm.

REV.C Native hedge & shrub mix counts updated (MBN) May 26
REV.B Native hedging added, tree & shrub mix counts updated for easement, 3 x extra trees added to G4, shrub bed PS1 updated(MBN) Mar 26
REV.A Native species added to schedule Oct 25

<p>(Registered Office) Suite 4 10-12 The Grove Ilkley West Yorkshire LS29 9EG telephone 07846612793 email info@fdalandscape.co.uk www.fdalandscape.co.uk</p>	client	Bellway Homes Yorkshire Ltd	
	project	Residential Development	
		WOOD WALK, HOYLAND	
	drawing title	POS LANDSCAPE DETAILS (SHRUB BEDS PS1-PS4)	
scale	date	drawn by	drawing no
1:200 @A2	Sept 25	MBN	R/2880/7C