



- KEY**
- Existing Trees Retained - Refer to tree survey for details
 - Existing Vegetation Retained
 - Proposed Tree Planting
 - Proposed Feature Shrub Planting
 - Proposed Shrub Planting
 - Proposed Hedge Planting
 - Proposed Amenity Grass
 - Proposed Wildflower Mix
 - Drainage - Refer to drainage plans for details
 - Root Barrier - ReRoot 1020 as supplied by Greenleaf or similar approved alternative

NOTE: These implementation and maintenance guidelines are for planning purposes only to indicate the level of workmanship to be specified and do not constitute a detailed specification.

1.0 GENERAL

All plants shall conform to BS 3936 and be in accordance with the National Plant Specification. Supplying nurseries shall be registered under the HTA Nursery Certification Scheme. All plants shall be packed and transported in accordance with the Code of Practice for Plant Handling as produced by CPSE. Planting shall not be carried out when the ground is waterlogged, frostbound or during periods of cold drying winds. All bare root stock shall be root dipped in an approved water-retaining polymer. If the formation level is compacted it should be ripped through before topsoiling. Recommended topsoil depths are 450mm for shrubs and 150mm for grass.

2.0 TREES AND SHRUBS

2.1 Ground Preparation
Where necessary treat existing weeds with a glyphosate based herbicide and allow a suitable period as recommended by the manufacturer for this to take effect. A general purpose slow release fertiliser at the rate of 75gm/m² and Tree Planting and Mulching Compost at the rate of 20litres/m² are to be incorporated into the top 150mm of topsoil during final cultivations. All extraneous matter such as plastic, wood, metal and stones greater than 50mm in any dimension shall be removed from site.

Tree pits to the specified size are to be excavated and the base broken up a further 150mm with the sides well scarified to prevent smearing. All trees up to and including selected standards are to be supported with single 75mm diameter stakes. All container grown and trees over heavy standard size shall be double staked. Stakes should be driven 300mm into undisturbed ground before planting the tree, taking care to avoid underground services and cables etc.

TREE SIZE	TREE PIT mm
EHS	800x800x500

2.2 Planting

Shrubs and hedges are to be set out as shown on the drawing and pit planted into the prepared soil at the specified centres with minimal disturbance to the rootball and well firmed in.

Trees are to be placed into the pits and backfilled with local topsoil previously stripped from the site. Firm trees well and secure with proprietary rubber tree ties and spacers.

Water in all trees and shrubs at the end of each day of planting. Spread ornamental pine bark mulch to a depth of 75mm across all new planting areas, ensuring groundcover plants are not buried.

2.3 Maintenance

The landscape contractor shall maintain all areas of new planting for a period of 12 months following practical completion. All stock deemed to be dead, dying or diseased within the defects period shall be replaced by the contractor at his own cost.

The site is to be visited monthly throughout the year to undertake the following operations.
Weed clearance: All planting areas are to be kept weed free by hand weeding or herbicide treatment.
Litter clearance: All litter is to be removed from planting beds.
Watering: All shrubs are to be watered during the growing season following any dry periods of 7 days. Planting areas are to be brought up to field capacity at each visit and each tree is to receive 20 gallons.

Checking trees: All tree ties and stakes are to be checked and adjusted if too loose, too tight or if chaffing is occurring. Any broken stakes are to be replaced. Stakes to be removed when trees are established.
Formative pruning: Any damaged shoots/branches are to be pruned back to healthy wood. Plants are to be pruned in accordance with good horticultural practice to maintain healthy well-shaped specimens.

4.0 GRASS

4.1 Preparation

The area to be turfed or seeded shall be sprayed out with a glyphosate herbicide and cultivated to a depth of 100mm removing all weeds, debris and stones over 25mm diameter. The surface shall be raked to smooth flowing contours with a fine tish, incorporating pre-seeding fertiliser at 70 g/m².

4.2 Delivery and Storage

Turf shall be supplied in accordance with BS3936. Turf shall be Medallion as supplied by Rowspan. It shall be close textured and green in colour and be sufficiently fibrous to withstand handling. Turves shall be regular in shape, 300mm wide and of uniform thickness (minimum 25mm). The grass shall be closely mown and shall not exceed 25mm in height. Turf shall be stacked in piles of up to 1 metre. It shall not be laid in frosty or waterlogged conditions and shall not be stacked in rolls for more than three days.

4.3 Turf

Turfing operations shall be in accordance with BS 4428. Whole turves shall be laid around the perimeter of the area to be turfed. The central area shall be laid in rows with staggered joints, well butted together, working from planks positioned on turves already laid. The turf shall be watered on completion. Any unevenness shall be made good by lifting the turf and adjusting the levels. Should shrinkage occur, fine topsoil shall be brushed into the joints.

4.4 Seeding

Grass seed shall be sown in April during calm weather and not when the ground is frost bound or waterlogged. Seed shall be sown in two equal sowings in transverse directions at 35 g/m² for amenity grass and 4g/m² for basic General Purpose Meadow Mix EM1. After sowing the contractor shall lightly rake the seed into intimate contact with the soil.

4.5 Initial cut

When newly seeded amenity grass areas reach 50mm they should be lightly rolled and cut to a height of 25mm. All arisings shall be removed. Any bare patches shall be made good at this time. Both amenity and meadow grass shall be regularly maintained between 25 and 50mm during the first season after sowing.

TREES

Code	Species	Form	Transverse	Height cm	Root condition	Quantity
BPT	Betula pendula 'Tristis'	EHS	14-16	400-450	85 LL	2
BP	Betula pendula	EHS	14-16	400-450	85 LL	3
MT	Malus trilobata	EHS	14-16	400-450	85 LL	8
SAU	Sorbus aucuparia	EHS	14-16	400-450	85 LL	1

FEATURE SHRUBS

Code	Species	Form	Transverse	Height cm	Root condition	Quantity
ARH	Amelanchier 'Robin Hill'	EHS	14-16	400-450	85 LL	2
PRR	Photinia x fraseri 'Red Robin'	-	8-10	175-200	45 LL	3

Emergata EM1 Basic General Purpose Meadow Mix sown at 4gms/m²

%	Latin name	English name
0.5	Achillea millefolium	Yarrow
2.0	Centaurea nigra	Common knapweed
1.0	Daucus carota	Wild carrot
1.5	Galium verum	Lady's bedstraw
2.0	Leucanthemum vulgare	Oxeye daisy
1.5	Plantago media	Hoary plantain
2.0	Prunella vulgaris	Selfheal
3.0	Ranunculus acris	Meadow buttercup
1.5	Rumex acetosa	Common sorrel
3.0	Sanguisorba minor ssp minor	Solid burnet
2.0	Silene dioica	Red campion
5.0	Agrostis capillaris	Common bent
35.0	Cynosuola cristata	Crested dogtail
15.0	Festuca rubra ssp commutata	Red fescue
25.0	Festuca rubra	Slender creeping fescue

ORNAMENTAL SHRUBS

Code	Species	Height cm	Pot size (Litres)	Habit	Min. no. of breaks	No. m ²	Quantity
BA	Berberis Amstelveen	25-30	3L	Bushy	4	3	74
BCP	Bergenia cordifolia Purpurea	15-20	3L	Bushy	-	6	27
CC	Cistus corbariensis	30-40	3L	Bushy	4	3	36
CCD	Cotoneaster conspicuus Deconus	30-40	3L	Bushy	3	2	49
LCE	Carex oshimensis Evergold	20-30	2L	-	-	5	58
CSK	Cotoneaster Skogholm	30-40	3L	Spreading	3	3	46
CSP	Cistus Silver Pink	30-40	3L	Bushy	4	3	22
CT	Choliva ternata	40-60	5L	Bushy	5	1.5	13
EE	Elaeagnus x eboracae	60-80	7L	Bushy	4	1.5	9
EAG	Euonymus Emerald 'n Gold	20-30	3L	Bushy	7	5	9
EEG	Euonymus Emerald Gaiety	20-30	3L	Bushy	7	5	60
EDB	Euonymus Darts Blanket	20-30	3L	Bushy	7	5	5
FSH	Fagus sylvatica (hedge)	60-80	2L	Feathered	-	5m	750
HR	Hebe rakensis	20-30	3L	Bushy	5	3	56
HH	Hypericum Hidote	30-40	3L	Bushy	5	2	119
HMW	Hebe Mrs Winder	20-30	3L	Bushy	7	3	53
LAV	Lavandula Hidote	20-30	3L	Bushy	5	5	140
LBG	Lonicera Bagassera Gold	30-40	3L	Bushy	3	4	41
LM	Lonicera 'Maygreen'	30-40	3L	Bushy	3	3	88
MA	Mahonia Appollo	30-40	3L	Bushy	3	2.5	7
OB	Oenanthus barkevoodi	40-60	7L	Bushy	5	1.5	15
PAB	Potentilla Abbottwood	30-40	3L	Bushy	4	2.5	34
PE	Potentilla Elizabeth	30-40	3L	Bushy	3	2.5	38
PRA	Prunella Red Ace	30-40	3L	Bushy	3	3	24
POL	Prunus Otto Lyxken	30-40	3L	Bushy	3	2	79
RBDC	Rosa Blanc Double de Court	40-60	3L	Branched	3	1.5	13
RH	Rosa Hertfordshire	30-40	3L	Bushy	3	3	11
RR	Rosa Kent	30-40	3L	Bushy	4	3	40
SAW	Spiraea Anthony Waterer	30-40	3L	Branched	5	3	52
SH	Symphoricarpos Hancock	40-60	3L	Branched	5	2	61
SKW	Skimmia 'Kew White'	30-40	3L	Bushy	3	3	22
SR	Skimmia japonica 'Rubella'	30-40	3L	Bushy	3	3	38
SS	Senecio Sunshine	30-40	3L	Bushy	4	2	81
ST	Spiraea thunbergii	40-60	3L	Branched	5	3	22
VM	Vincetoxicum	15-20	2L	Bushy	5	3	23
VD	Viburnum davidii	30-40	3L	Bushy	3	3	29
VTEP	Viburnum tinus 'Eve Price'	40-60	3L	Bushy	5	1.5	8

B Second Issue SWDP 25/10/2012 Council comments - extra trees added, amelanchiers stock size increased to EHS
A First Issue SWDP 30/07/2012

Rev	Description	Team	Date
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Hill Cottage,
Mansbridge Road West End,
Southampton
Landscape Proposals

Drawing Ref: **0.0138_01-B**
Client : **Orchard Homes**

1 : 200 @ A0
30th July 2012
Team SW/DP

