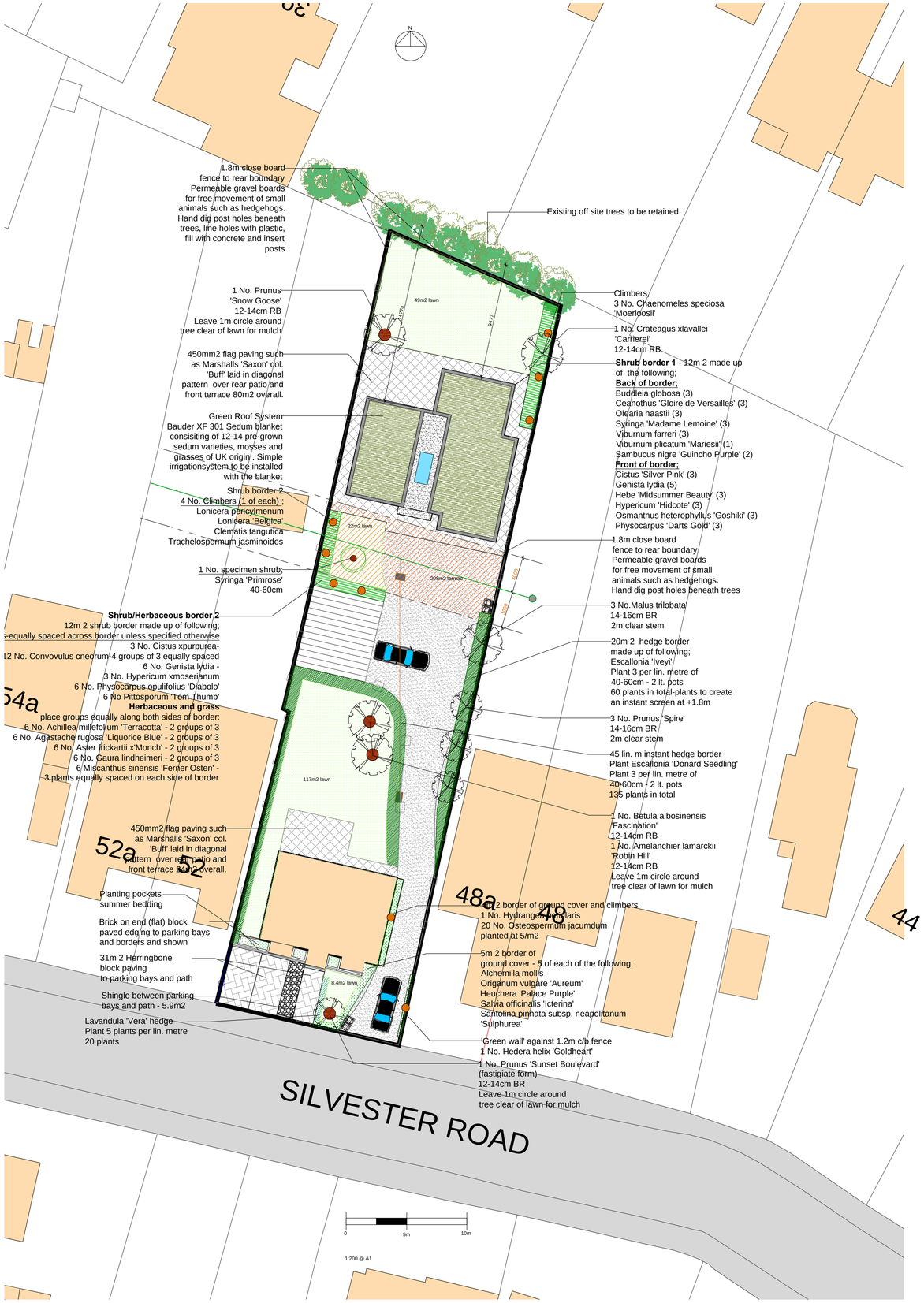


LANDSCAPE SPECIFICATION
Landscape works to be fully implemented in the first planting season following commencement of the development.

Any shrubs which within the period of one year , and trees within 5 years from the time of planting die, become badly damaged or diseased shall be replaced in the next planting season with others of similar size and species, unless otherwise agreed in writing by the LPA.

All planting should comply with requirements specified in BS 3936 (1992) Nursery Stock Part One, BS 4428 (1989) Code of Practice for General Landscape Operations (excluding hard surfaces) and BS8545-2014 'Trees from Nursery to Independence in the Landscape'

Set out trees and shrubs for planting as shown on plan and in accordance with BS8545-2014 'Trees from Nursery to Independence in the Landscape'

All topsoil to be supplied in accordance with BS3882

Protection of Existing Trees and Hedges in accordance with BS5837:2012

Amelioration as per specification, or as determined by soil samples as appropriate.

In areas of poor drainage ensure soil is broken up to a minimum depth of 300mm to remove compaction, work in bulky organic matter and shingle as needed.

All imported topsoil to be a good quality loam to BS3882. All areas to receive topsoil to be thoroughly cultivated including breaking up base/subsoil layer, preferably by hand, or suitable machinery to full depth of topsoil layer incorporating ameliorants as specified.

Hand cultivation to be carried out to acheive required finish on areas where machine cultivation is impossible e.g. in small planting beds, adjacent to roads, paths and kerbs and around manhole covers.

Topsoil:
Surplus plant material, rubbish, and surface stones larger than 50mm to be removed.

Where possible for retention, excavate and store for re-use on- site both sub and topsoil in covered heaps no more than 2m in height and protected by tarpaulin.

Topsoil to be excavated and/or imported, stored, spread and cultivated in accordance with cultivation specification.

Fertliser/Compost:
Approved peat free composts to PAS100 and fertilisers to to be added during cultivation as required to full depth of growing medium.

Tree Planting;
Plant tree as shown on plan ensuring all trees are labelled.

Substitutions where necessary to be agreed with Landscape Architect.

Plant trees in pits, minimum dimensions of; 1x1x1m depth or large enough to accommodate the rootball leaving a sufficient space for soil to be backfilled in layers around it. Scarify sides of tree pit to promote rooting environment.

Ensure a 150mm drainage layer made up of larger stones up to 50mm prior to backfilling with soil.

Plant trees at 'nursery layer' - or place a cane across the top of tree pit to ensure soil level is level with tree root flare, never below this.

Where trees are to be staked, ensure that stakes are placed in the tree pits carefully between rootball to avoid breakage of fine roots, and close enough for ties to be buckled.

Backfill tree pits with a mix of excavated soil and/or imported topsoil around tree roots , shake tree if bare rooted to ensure good contact with soil backfilling in layers 15-20cm, do not compact layers or make too loose but enough to allow air and water percolation.. Use root barriers such as GreenBlue ReRoot 6000 as a precaution to Prunus 'Spire'

A 75-25% mix topsoil to compost to PAS 100
Water to field capacity - min. of 20 lt. ensuring that water soaks into tree pit .

Large Shrubs;
Plant in min. pit size 450mm depth or to adequately accommodate spread of roots allowing space to sides. Ensure shrub is planted at 'nursery level' never lower. (Backfill pit with 75-25% topsoil/green compost to PAS100 mix. Mulch beds with up to 75mm composted bark.

Ornamental Hedges, Shrubs, Herbaceous Groundcover and Climber Planting;
All beds to be cultivated to min. depth of 400mm or at 'nursery level', at densities shown on the plant schedule, ensuring that all plants are set out evenly spaced across plant bed - check increased densities for small shrubs and herbaceous. Beds to be backfilled with 75-25% toposil/green compost mix to PAS100 . Mulch to 50-75mm with composted bark as shown

Installation of X301 Sedum Blanket to be carried out as per manufacturer's instructions - see attached for basic construction detail over site specific roof construction designed by others.

Water to field capacity following planting.

Maintenance; Maintenance of all trees , shrubs, climbers and herbaceous planting;
Establishing maintenance for all planting from 1- 5 years (or as per contract), from Practical Completion including weed control, replacement of failures to original specification in the planting season following failure.
All plant material to be pruned annually and groundcover to be thinned and divided as necessary.
Maintenance;

Sedum Blanket Maintenance: The sedum blanket requires 2 general maintenance visits per year as a minimum to weed out grasses and other invasive weeds and to check cover - please refer toattached maintenance booklet from Bauder. The X301 Sedum blanket will require an irrigation system being installed such as 'Leaky Pipe' drip system.

Ongoing Maintenance
All plants;
All trees, shrubs bulbs and perennials to be watered once a week until established during summer, or as required in autumn. Soil should be inspected more regularly during spring/summer (twice weekly in very dry periods), to ensure it does not completely dry out, or install automatic watering system. Work min. 50mm depth of compost mulch over soil surface twice a year and add 50mm horticultural bark. Prune shrubs to encourage a multi-stemmed effect and bushy growth. Carry out formative pruning to trees to encourage a balanced profile with not crossing branches.

Cut back perennials in winter or early spring to within 100mm of ground level. Split herbaceous plants as necessary if they start to out compete each other. Cut back grasses in late winter/early spring.

PLANT SCHEDULE

TREES	Size & Spec.	Density	No.
Refer to specification for planting info.			
Species:			
Amelanchier lamarckii "Robin Hill'	12-14cm RB	As shown	1
Betula albosinensis 'Fascination'	12-14cm RB	As shown	1
Crateagus xlavallei 'Carriere'	12-14cm BR	As shown	1
Malus trilobata	14-16cm BR	As shown	1
Prunus 'Snow Goose'	12-14cm RB	As shown	1
Prunus 'Sunset Boulevard'	12-14cm RB	As shown	1
Prunus 'Spire'	14-16cm BR	As shown	3

HEDGES: Prepare planting beds 450mm deep bed filled with clean topsoil to BS 3882
Cover with 50mm bark mulch

Escallonia 'Donard Seedling'	40-60 cm 2. lt	3 per lin. m	135
Escallonia 'Iveyi;	40-60 cm 2 lt.	3 per lin. m	60
Lavandula 'Vera'	15-20cm 1.5 lt.	5 per lin m	20

SHRUBS BORDERS - Prepare planting beds 450mm deep bed filled with clean topsoil to BS 3882
Cover with 50mm bark mulch

SPECIES:	SIZE/BR/CG	DENSITY	Number
Buddleia globosa	30-40cm 3 lt. CG	3/m2	3
Ceanothus 'Gloire de Versailles'	30-40cm 3 lt. CG	3/m2	3
Cistus 'Silver Pink'	20-30cm 2 lt. CG	3/m2	3
Cistus xpurpureus	20-30cm 2 lt. CG	3/m2	3
Convovulus cneorum	15-20cm 2 lt. CG	5/m2	12
Genista lydia	30-40cm 2 lt. CG	3/m2	11
Hebe 'Midsummer Beauty'	30-40cm 2 lt. CG	3/m2	3
Hypericum 'Hidcote'	30-40cm 3 lt. CG	3/m2	3
Hypericum xmoserainum	20-30cm 2 lt. CG	3/m2	3
Olearia xhaastii	30-40cm 2 lt. CG	3/m2	3
Osmanthus heterophyllus 'Goshiki'	20-30cm 2 lt. CG	3/m2	3
Physocarpus 'Darts Gold'	30-40cm 3 lt. CG	3/m2	3
Physocarpus 'Diabolo'	30-40cm 3 lt. CG	3/m2	6
Pittosporum 'Tom Thumb'	20-30cm 2 lt. CG	3/m2	6
Sambucus 'Guincho Purple'	40-60cm 3 lt. CG	3/m2	2
Viburnum farreri	30-40cm 2 lt. CG	3/m2	3
Viburnum plicatum 'Mariesii'	40-60cm 3 lt. CG	3/m2	1
SPECIMEN SHRUB;			
Syringa 'Primrose'	5-10 lt. CG	As shown	1

HERBACEOUS PERENNIALS:
Plant in border cultivated to a depth of 250mm filled with clean topsoil. Once planted place 50mm mulch over borde

Based on 1lt CG plants @ density 7 per m2

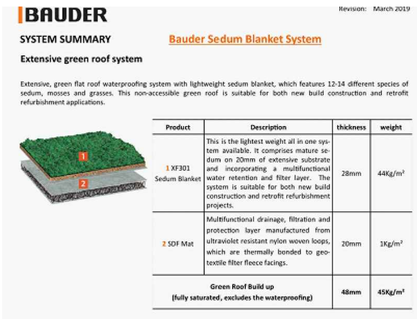
Achillea millefolium	6 plants
Agastache rugosa 'Liquorice Blue'	6 plants
Aster xfrickartii 'Monck'	6 plants
Gaura lindheimeri 'Whirling Butterflies'	6 plants
GRASS:	
Miscanthus sinensis 'Ferner Osten'	6 plants
Groundcover;	
Alchemilla mollis	5 plants
Heuchera 'Palace Purple'	5 plants
Origanum vulgare	5 plants
Osteospermum	20 plants
Salvia officanalis 'Icterina'	5 plants
Santolina pinnata 'Sulphurea'	5 plants

CLIMBERS- To mid front of building in recess - Plant in bed cultivated to depth of 400mm

Species	Size		Number
Chaenomeles speciosa 'Moerloosii'	40-60cm 3 lt. CG	As shown	3
Clematis tangutica	60-90cm 2 lt. CG		1
Hedera heliz 'Goldheart'	60-90cm 2 lt. CG		1
Hydrangea anomala subsp. petiolaris	60-90cm 3 lt. CG		1
Lonicera periclymenum	60-90cm 2 lt. CG		1
Lonicera 'Belgica'	60-90cm 2 lt. CG		1
Trachelospermum jasminoides	2 lt. CG		1

Topsoil recommended depth 15cm across border to be worked through the exisitng soil. Compost 50mm across b
Tree to be double staked and tied - stakes 1.5 above ground level approx. until tree established
Use as guide for maintenance of hedge height

Bauder X301 Sedum Blanket to roof (or similar approved) - Plant List - Includes up to 18 Sedum cultivars including; 'Album', 'Czars Gold, Oreganum, reflexum, spurium 'Coccineum', spurium 'Summer Glory', 'Hispanicum', saxifraga granatum.


BAUDER
Revison: March 2019
SYSTEM SUMMARY
Bauder Sedum Blanket System
Extensive green roof system
Extensive, green flat roof waterproofing system with lightweight sedum blanket, which features 12-14 different species of sedum, mosses and grasses. This non-accessible green roof is suitable for both new build construction and retrofit refurbishment applications.

Product	Description	thickness	weight
1 XF301 Sedum Blanket	This is the lightest weight all in one system available. It comprises mature sedum on 20mm of extensive substrate and incorporating a multifunctional water retention and filter layer. The system is suitable for both new build construction and retrofit refurbishment projects.	28mm	44Kg/m²
2 SDF Mat	Multifunctional drainage, filtration and protection layer manufactured from ultraviolet resistant nylon woven loops, which are thermally bonded to geo-textile filter fleece facings.	20mm	1Kg/m²
Green Roof Build up (fully saturated, excludes the waterproofing)		48mm	45Kg/m²

KEY

- Existing tree
- Proposed tree
- Large (specimen) shrub
- Evergreen hedging
- Mixed shrub border
- Groundcover
- Lavender hedge
- Green roof
- Climber
- Tarmac (porous)
- Gravel
- Flag paving 'Fairford' col. grey
- Herringbone block paving
- 1.2m high picket fence
- 1.2m high close boarded fence
- 1.8m high close boarded fence
- Easement (no tree planting within)

Rev. -: A	Planning	Additional sedum blanket information	4.11.20

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Project:
50 Silvester Road
Waterlooville

Drawing Title:
Landscape Proposals
-

Purpose:
Planning

Dwg. No.
1051 - 5300

Scale:
1:200 @ A1

Date:
2.9.20