

Planting Schedule for CSA/7557/100

Heath Mix

Heath mix to to planted in single species groups of between 4 and 10 plants

Qty	Name	Common Name	Age	Height	Form	Girth	ClrStm	Brks	Root	Cntr	Measure Unit	Density (m2/lin m)	Centres
290	Cytisus scoparius	Common broom		50-60cm	Bushy			7	C	5L	m2	3.00	0.600
290	Erica tetralix	Heather			Bushy				C	5L	m2	3.00	0.600
290	Ulex europaeus	Gorse		30-40cm				5	C	5L	m2	3.00	0.600
290	Vaccinium myrtillus	Bilberry		20-30cm	Bushy			5	C	5L	m2	3.00	0.600
1160													

Hedgerow Mix

Hedges to consist of double staggered row at 300mm centres, rows 300mm apart, approx. 5 plants per linear metre
Hedges to be supported by 1m high post and galvanised wire fence (min. 3 wires) running through centre of hedge between rows

Qty	Name	Common Name	Age	Height	Form	Girth	ClrStm	Brks	Root	Cntr	Measure Unit	Density (m2/lin m)	Centres
343	Cornus sanguinea	Common dogwood		50-60cm				5	C	5L	m	5.00	0.200
681	Ilex aquifolium	Holly		50-60cm				4	C	5L	m	5.00	0.200
1022	Prunus spinosa	Blackthorn	1/0	50-60cm				5	B		m	5.00	0.200
681	Rhamnus frangula	Frangula alnus		60-80cm				4	C	5L	m	5.00	0.200
681	Viburnum lantana	Wayfaring tree		30-40cm				4	B		m	5.00	0.200
3408													

Shrub

Qty	Name	Common Name	Age	Height	Form	Girth	ClrStm	Brks	Root	Cntr	Measure Unit	Density (m2/lin m)	Centres
32	Calluna vulgaris	Ling, Scots heather	1/2	40-60cm					C	5L	m2	3.00	0.600
100	Cytisus scoparius			40-60cm				7		5L	m2	3.00	0.600
12	Deschampsia flexuosa			30-40cm				4	C	5L	m2	3.00	0.600
66	Erica cinerea			30-40cm				4	C	5L	m2	3.00	0.600
18	Festuca ovina			30-40cm				4	C	5L	m2	3.00	0.600
15	Molinia caerulea			30-40cm				4	C	5L	m2	3.00	0.600
171	Ulex europaeus			30-40cm	Bushy			5		5L	m2	3.00	0.600
81	Ulex minor			30-40cm				5	C	5L	m2	3.00	0.600
95	Vaccinium myrtillus			15-20cm				5		5L	m2	3.00	0.600
590													

Tree

Qty	Name	Common Name	Age	Height	Form	Girth	ClrStm	Brks	Root	Cntr	Measure Unit	Density (m2/lin m)	Centres
1	Acer campestre	Field maple	2x	250-300cm	Feathered	6-8cm		5	B		nr		
2	Acer campestre	Field maple	2x	300-350cm	Standard	10-12cm	175-200cm	4	B		nr		
3	Betula pendula	Silver birch	2x	250-300cm	Feathered	6-8cm		5	B		nr		
1	Betula pendula	Silver birch	2x	300-350cm	Standard	10-12cm	175-200cm	4	RB		nr		
11	Betula pendula	Silver birch	4x	450-500cm	Semi-mature	20-25cm	175-200cm		RB		nr		
4	Sorbus aria	Whitebeam	4x	500-550cm	Semi-Mature	20-25cm	min 200cm		RB		nr		
6	Sorbus aucuparia	Mountain ash or Rowan	4x	500-550cm	Semi-Mature	20-25cm	min 200cm		RB		nr		
28													

Tree - Conifer (Tree)

Qty	Name	Common Name	Age	Height	Form	Girth	ClrStm	Brks	Root	Cntr	Measure Unit	Density (m2/lin m)	Centres
10	Pinus sylvestris	Scots pine	6x	350-400cm	Specimen				RB		nr		
10													

Woodland Mix

Individual woodland species to be planted in groups of approximately 5-7

Qty	Name	Common Name	Age	Height	Form	Girth	ClrStm	Brks	Root	Cntr	Measure Unit	Density (m2/lin m)	Centres
92	Betula pendula	Silver birch	1/1	60-80cm					B		m2	1.00	1.000
46	Ilex aquifolium	Holly		60-80cm					C	5L	m2	1.00	1.000
46	Pinus sylvestris	Scots pine	1/2	50-60cm					B		m2	1.00	1.000
92	Sorbus aucuparia	Mountain ash or Rowan	1/1	60-80cm					B		m2	1.00	1.000
276													
5472													

PLANTING SPECIFICATION

General Guidance

All plant handling to be in accordance with the HTA 'Handling and establishing landscape plants' Part I, Part II and Part III (obtainable from the Horticultural Trades Association) and the CPSE publication: 'Plant Handling' and all planting to conform to National Planting Specification Guidelines.

The individual setting-out of the plants on site shall be the responsibility of the contractor and should follow closely the locations shown on the detailed planting proposal drawings supplied by the landscape architect. Contractor to ensure that plants are equally spaced within individual planting groups.

Contractor to ensure that smaller plants are located to the front of plant species groups as shown on detailed planting plans.

Contractor shall maintain existing levels around the base of existing trees and shall undertake all planting works occurring within root protection areas (RPA) in accordance with BS5837:2012. Contractor shall not remove or relocate any tree protection fencing without prior consent of the client.

Contractor to check the locations of all underground services, existing and proposed, prior to the excavation of any tree pits or shrub beds and identify any potential conflicts to the client / landscape architect.

All arisings shall be removed from site and the contractor shall at all times, keep the site free from rubbish and debris.

For the duration of the works the contractor shall keep the site free from injurious weeds as listed in the Weeds Act 1959.

All plants should be supplied at the same size and of the same species as specified in the planting schedules on the landscape proposals plan. Any proposed replacement species or deviation from the planting schedule should be highlighted to and agreed with the client prior to installation.

All plants shall be hardened-off at the Contractor's own nursery or at the source prior to planting out.

All field grown and rootballed trees must have been transplanted or undercut in the nursery no less than 18 months prior to supply.

The Contractor shall carry out the work while soil and weather conditions are suitable. Planting is not to take place during periods of frost or strong winds.

The contractor is to ensure that adequate watering and weed control is provided at the time of planting.

Any topsoil retained on site in stockpiles for use in planting works is to be stored in accordance with the DEFRA publication; 'Code of practice for the sustainable use of soils on construction sites'

Do not use peat or peat based products.

Prior to planting, planting areas shall be cleared of grass and weed growth physically by hand weeding by careful digging or selective scything and/or by hot foam or hot water systems which are effective for large areas of land.

Chemical fertilisers, pesticides and herbicides including glyphosate are NOT to be applied at any time due to the impacts of existing and proposed landscape features and protection of their ecological features.

All plants are to be watered thoroughly before planting stage to ensure rootball is thoroughly soaked prior to final backfilling.

Tree Planting

Generally plant trees in pits with minimum dimensions of;-

- 1000 x 1000 x 700-800mm deep for trees in soft, planted areas including; grass/shrub areas and rear gardens.

Backfill the pits in layers as specified below (from bottom up);-

Drainage layer

- 200mm layer of compacted inert free draining gravel or pea shingle, wrapped in geo-textile membrane
- 100m layer of washed medium-course sand to act as blinding layer between geotextile and soil.

Topsoil layer

- 400-500mm layer of retained site-sourced topsoil (free from weeds) or imported topsoil (Multi-purpose grade to BS3882:2015; sandy loam); depth dependant on size of rootball.

Depth of topsoil should only be as deep as the rootball of proposed tree to a max. depth of 400-500mm. Should the rootball be larger i.e. 800mm height, then the pit should be increased in depth to suit, but with the difference in depth from the 400-500mm topsoil layer and the drainage layer made up of quality imported free-draining subsoil to BS8601:2013 to avoid topsoil occurring at depths of greater than 500mm.

As stated above, the min. pit size for trees planted in newly created planting areas should be 1m x 1m, however where planting is occurring in clean, undisturbed ground, pits should be dug to approx. 200mm greater than the rootball to limit distribution of surrounding soil structure. For very large stock, pit dimensions should be increased accordingly.

Incorporate a well rotted spent mushroom compost or 'Rootmaster' by Greentech Ltd (01423 332100) into backfilled topsoil material at the rate of min. 40L per pit.

Backfill topsoil mix in layers of 150mm, firming at each layer and loosening the pit sides to aid drainage. The surface level of the pit should be 50mm above the surrounding ground.

Trees shall be planted in the centre of the excavated pits.

Trees in soft planted areas to be dressed with a minimum 75mm mulch layer, consisting of pine bark fines, particle size 15-50mm to a min. diameter of 1000-1200mm.

Ensure that a 120mm collar should be left free of mulch to prevent stems/trunks from rotting.

Semi-mature trees shall be secured by use of a proprietary underground guying system, incorporating guy mats to protect the upper surface of the rootball and secured to the base of the tree pit or by use of deadman anchors. Guying supports to be sized in line with the size of the tree as recommended by the manufacturers.

Trees shall be installed with proprietary flexible perforated irrigation/aeration pipe with integral cap. Pipe to be installed encircling equally around rootball to the full depth of planting pit, with the final cap section installed just above ground level and nailed securely in place to the adjacent timber stake.

All trees in grass areas to be protected by min. 450mm high (Rodent) x 38mm diam. proprietary biodegradable plastic spiral guards, by Green-tech Ltd. or equal and approved. Where trees have a basal trunk diameter greater than this, e.g. semi-mature, then two or more guards should be joined together using jointing tape and then secured in place.

The biodegradable plastic spiral guards should be removed after establishment or after 4 years, whichever is sooner.

Root Barrier Membranes

Where trees are proposed in close proximity to hard paved areas or proposed service runs, a root barrier membrane is to be installed as prescribed below.

For all proposed trees centred in a location within 3m of an adjacent hard standing/footpath or carriageway kerb line, a proprietary root barrier membrane will be installed to protect the hard standing and any underground services located beneath from future damage by tree roots.

Root barrier membrane(s) to be installed on the tree side along the back edge of the kerb / edging restraint to the adjacent hard standing and are to extend a minimum 3m in each direction from a point taken perpendicular from the tree trunk to the kerb/edging face.

Root barrier membranes are to extend to a depth as outlined below:-

- For trees adjacent to hard standings only (no underground services); install 'Reroot 300' by GreenBlue Urban (01424 717797) or equal and approved, ribbed root barrier membrane, to a depth of 300mm, ribs facing tree, joints fixed with jointing tape, install 10mm above final surface level of soft landscaping.
- For trees adjacent to hard standings incorporating underground services; install the following dependant on the depth of underground services;

For services 450mm deep

- o 'Reroot 600' by GreenBlue Urban (01424 717797) or equal and approved, ribbed root barrier membrane, to a depth of 600mm, ribs facing tree, joints fixed with jointing tape, install 10mm above final surface level of soft landscaping.

For services 800mm deep

- o 'Reroot 1000' by GreenBlue Urban (01424 717797) or equal and approved, ribbed root barrier membrane, to a depth of 1000mm, ribs facing tree, joints fixed with jointing tape, install 10mm above final surface level of soft landscaping.

For services deeper than 800mm

- o 'Reroot 2000' by GreenBlue Urban (01424 717797) or equal and approved, ribbed root barrier membrane, to a depth of 2000mm, ribs facing tree, joints fixed with jointing tape, install 10mm above final surface level of soft landscaping.

For locations where a hard standing with or without underground services exists on both sides of the tree e.g. grass verge, then a root barrier is to be installed against both kerb / edging faces.

Ornamental Shrub Planting

Plant shrubs and groundcover into pre-prepared planting beds consisting of topsoil to a depth of no greater than 400mm, overlying clean, free-draining subsoil. Topsoil; existing retained site-sourced topsoil is recommended to be site-won wherever possible (free from weeds) or imported topsoil (Multi-purpose grade to BS3882:2015; sandy loam) is to be used only when absolutely necessary or a combination of the two as necessary to support successful establishment.

Subsoil layer to be fully broken-up to ensure adequate decompaction and alleviate free-drainage. For light and non-cohesive subsoils, when ground conditions are reasonably dry, loosen thoroughly to a depth of 300mm (450mm for stiff clay / cohesive soils). Remove all stones and debris greater than 50mm, including roots and tufts of grass. Top 50mm of subsoil to be reduced to a medium tilth suitable for final shaping using a grading blade.

Where applicable the use of a small tractor mounted single tine ripper to decompact subsoil layer sufficiently.

Incorporate a well rotted spent mushroom compost across the planting bed in a 50mm layer at a rate of 300g per m2, and incorporate to a depth of 225mm.

Once planting bed is prepared, dig planting holes for shrubs to be a depth of 200mm and a width or 150mm greater than the source pot size, ensuring that pit walls are loosened to ensure good drainage.

Ensure planting appears random / natural and not formal in accordance with the planting proposal layouts as supplied by the Landscape Architect.

All shrub areas to be dressed with a minimum 75mm mulch layer, consisting of medium chipped tree bark, composted for 2-4 weeks, particle size 15-50mm.

The contractor shall take the necessary precautions to ensure all shrub areas are protected throughout the establishment period by temporary fencing.

Ornamental Hedge Planting (incl. single species native hedges)

Plant hedges into pre-prepared planting trenches, 500-600mm wide for double rows. Planting strips to consist of topsoil to a depth of 350-400mm, mixed with soil conditioner as specified below.

Topsoil; existing retained site-sourced topsoil is recommended to be site-won wherever possible (free from weeds) or imported topsoil (Multi-purpose grade to BS3882:2015; sandy loam) is to be used only when absolutely necessary or a combination of the two as necessary to support successful establishment.

Incorporate a or well rotted spent mushroom compost along planting trench in a 50mm layer at the rate of 300g per m2, and incorporate to a depth of 225mm.

Plant hedge plants into pre-prepared planting strips which are deep enough as to be 200mm greater than the root depth of the supplied plant stock.

All hedge planting areas to be dressed with a minimum 75mm mulch layer, consisting of medium chipped tree bark, composted for 2-4 weeks, particle size 15-50mm. Where not planted against an proposed fence-line or wall, hedges to be supported by min. 1000 high timber post and wire fence, consisting of min. 75mm diameter x 2000mm long, rounded timber posts, driven in at 2000mm centres with 3No. galvanised wire supports evenly spaced along the vertical axis of the post. Corner posts and/or straining posts are to be additionally supported by 45° angled, 50mm diameter timber struts.

Woodland Planting

Where existing vegetation is to be removed, clear any surface vegetation in proposed woodland areas, and install plants into isolated pre-prepared planting pits, generally 300 x 300 x 450mm deep or 200mm greater than the rootstock, whichever is greater, backfilling preferably with either existing retained site sourced topsoil (free from weeds) or imported topsoil (sandy loam, General Purpose grade to BS3882:2015) is to be used only when absolutely necessary or a combination of the two as necessary to support successful establishment.

Where planting occurs into a retained sward, then planting pits shall be excavated locally for each plant, with the surface vegetation removed.

Incorporate a well-rotted spent mushroom compost into backfill material at the rate of 5L per pit, incorporating a slow release fertiliser e.g. Enmag (or similar approved) at a rate of 5g per pit.

Ensure planting conforms to planting matrix where appropriate and in all other areas appears random / natural and not formal in accordance with the planting proposal layouts.

Plant Protection

Where rabbits are a known issue, all woodland areas are to be fully enclosed by min. 900mm high rabbit proof fencing, supplied as min. 19 Gauge (1.2mm) galvanised mesh with max. 31mm openings, nailed with galvanised 20mm staples to 50-75mm diameter treated timber stakes at 1.5m centres, incorporating 3No. horizontal galvanised straining wires. Mesh fence to be heeled into ground 150mm below ground level. Straining posts of 100mm diam. timber should be installed every 50m or at every turn of direction 90 degrees or greater.

If additional deer protection fencing is required, all woodland areas are to be fully enclosed by min. 1.8m proprietary plastic mesh fencing (50mm x 45mm gauge) secured to min. 100mm rounded, treated softwood posts, driven min. 750mm below ground level at 3.5m centres. Mesh fence to be heeled into ground 150mm below ground level. NB:- In areas where rabbits are also a known problem, an additional 300mm high section of min. 19 Gauge galvanised mesh (chicken wire) with max. 31mm openings is to be fixed to the lower portion of the deer fencing and attached using proprietary plastic cable ties.

All woodland plants to be installed with a min. 500mm square, proprietary 'Treebio Biodegradable Weed Mat' mulch mat, by Green-tech Ltd or equal and approved, securely pegged in place and weighted down with bark mulch.

Where woodland areas are created from freshly cultivated ground i.e. not into the existing sward, then the planting area should be over-seeded with a proprietary meadow grass mix ('A4' mix by Germinal Seeds Ltd) at a rate of 35gs m2 between planting stations.

Amenity Turf Planting

In most cases, where topsoil can be preserved undisturbed, cultivation should not be required so as to preserve the existing soil structure, however in compacted areas or where topsoil layers have been disrupted through construction, rotary cultivation may be required to ensure the creation of a well prepared substrate/ tilth for planting.

All stones and debris greater than 50mm in size to be removed and disposed of off-site.

Turfed areas are to consist of min. 150mm topsoil; existing retained site sourced topsoil is recommended (free from weeds) or imported topsoil (Multi-purpose grade to BS3882:2015; sandy loam) is to be used only when absolutely necessary or a combination of the two as necessary to help with establishment; overlying min. 150mm layer of clean, free-draining subsoil. Subsoil should be prepared as per shrub specification, ensuring full decompaction and free-drainage.

Unless otherwise stated, finished levels of turfed areas to be 30mm above adjoining paving and kerbs.

Final preparation of the turfed areas shall be carried out as to create a fine tilth surface suitable for laying of turves.

Prepared areas to be watered thoroughly to a depth of 75mm.

a. The area(s) are to be turfed between April and October with turf, as specified in the planting schedules (Appendix A).
b. Turves should be laid in a series of straight rows, with staggered joints. All joints are to be closely butted together. Timber planks should be used to spread the load of the installer during laying and areas are to be tamped down to ensure good contact between turves and the soil.
c. All turves should be laid within 24hours of delivery.
d. The contractor shall ensure that all turfed areas are watered fully at the time of installation to the full cultivated depth, and that sufficient subsequent watering is carried out to ensure healthy establishment of the grass sward.

Wildflower Seeding

Kill off any existing vegetation by hand weeding along by careful digging of selective scything, or hot foam or hot water systems which are effective for large areas of land.

Areas to be seeded are to be finely graded to bring to a uniform and even grade at the correct finished level and to remove all minor hollows and ridges. All stones and debris greater than 50mm in size to be removed and disposed of off-site.

Wildflower seeded areas are to consist of min. 150mm deep existing retained topsoil (free from weeds):subsoil mix (50:50) over existing site subsoil layer. No imported topsoil should be used in the formation of wildflower meadows. Where feasible/practible, topsoil should be fully stripped and seeding conducted into pre-prepared subsoil layer, however subsoil analysis will be required first to determine the need for any soil enhancement or enrichment in lieu of the topsoil strip.

Final preparation of the seeded areas shall be carried out as to create a medium tilth surface suitable for seeding.

No pre-seeding fertiliser shall be applied.

Wildflower seeded is to be undertaken preferably in Spring (Early March to late June) or if not feasible in Autumn (Mid August to October). Where sowing rates are low and sowing is to be undertaken by hand broad-casting, the contractor should mix the seed evenly with a fine, dry sand to bulk up the sowing mixture. Seeding by this method should only be undertaken on calm days with no wind, after seeding, areas are to be hand raked and lightly rolled. Seed to the thoroughly mixed before seeding to ensure even distribution of different seed weights.

The contractor shall take the necessary precautions to ensure all grass areas are protected throughout the establishment period, with the use of chestnut pale fencing where appropriate.

The contractor shall ensure that all seeded areas are watered fully at the time of installation to the full cultivated depth, and that sufficient subsequent watering is carried out to ensure healthy establishment of the grass sward.

Plant Sourcing

All plant and seed material will be will be UK sourced and grown and wherever feasible, sourced from local suppliers in close proximity to the Site.

All plant material to be sourced from reputable suppliers with all necessary biosecurity and phytosanitary procedures in accordance with DEFRA guidelines.

Any proposed replacement species and deviation from the planting schedules should be agreed with the Local Planning Authority in accordance with condition 16.

N

0 2 4 6 8 10 metres

LEGEND

- APPLICATION BOUNDARY
- EXISTING TREES / VEGETATION

Planting Proposals

- AG-t **AMENITY GRASS TURF -** 'Medallion' turf by Rolawn or equal and approved.
- **SEMI-MATURE TREE**
- **STANDARD TREE**
- **FEATHERED TREE**
- **ORNAMENTAL SHRUB / HERBACEOUS / GRASS PLANTING**
- **HEDGEROW**
- WG1 **WILDFLOWER SEEDING** 'EM7' Meadow Mixture for Sandy Soils by Emorsgate Seeds Ltd; or equal and approved
- WD1 **WOODLAND MIX**

Hardworks

- **POROUS CONCRETE BLOCK PAVING -**
- **PORCELAIN TILES**
- **CONCRETE SETT PAVING**
- **GRANITE CHIPPINGS**

Boundary Treatment

- **RETAINING WALL -** To engineers detail
- **CLOSE-BOARD FENCING -** 1800mm high close-boarded timber fence, treated softwood (min.15yr life span)
- **POST AND 3 RAIL FENCING -** 1100mm high timber post and 3 rail fence
- **CHESTNUT PALING FENCING -** 1000mm high, chestnut paling fencing wired together using galvanised wire.
- **EXISTING PALING FENCING -** Existing paling fencing with wire and boundary planting to be retained.
- **EXISTING 6FT CLOSE BOARDED FENCING -** 6ft Close boarded fencing to be retained
- **ACCESS GATE -** Treated softwood timber gate (min.15yrs life span), incorporating steel hinges and hook latch.

Ecological Enhancement

- B/B **PROPOSED BIRDBOX INSTALLATION -** Product: S brick, supplied by Action for Swifts (or similar approved)
- B/B **PROPOSED BIRDBOX INSTALLATION -** Product: Vivara Pro Seville 32mm nest Box by Vivara Pro (or similar approved)
- BAB **PROPOSED BATBOX INSTALLATION -** Product: Greenwoods Ecohabitat Small Hollow Bat Box (or similar approved)
- BAB **PROPOSED BATBOX INSTALLATION -** Product: Greenwoods Ecohabitat Small Single Crevice Bat Box or similar approved)
- HH **PROPOSED HEDGEHOG HOUSE INSTALLATION -** Product: Hedgehog house by Wildlife World (or similar approved)
- BH **PROPOSED BUG HOTEL INSTALLATION -** Product: Insect Tower by CJ Wildlife (or similar approved)
- H **PROPOSED HIBERNACULUM INSTALLATION -** Hibernaculum
- **PROPOSED COMPOST PILE INSTALLATION -** Compost Pile
- **PROPOSED LOG PILES INSTALLATION -** Log Piles

Notes:
-Exact location of all ecological enhancements to be confirmed by appointed ecologist.
- Proposed planting had been designed to reflect the guidance set out in Chapter 4 of the NHBC Standards, however structural engineers to review all proposed planting during technical design stage and advise of any species changes required to comply with NHBC Standards, all changes to be agreed with LPA.

Rev	Date	By	Description
A	01/08/25	SV	Updates in response to officer comments.

Drawing Status
FOR PLANNING

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Project: Angell Sand Pit, Storrington
Title: Detailed Landscape Proposals
Client: Mr and Mrs Wilkinson

Scale	1:200 @ A0	Drawn	SV
Date	May 2025	Checked	AL
Drawing No.	CSA/7557/100	Rev	A

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