

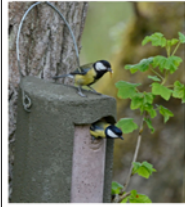
### Tree Planting Schedule

Latin Name	Scheduled Size
Amelanchier lamarckii	100-150cm 20L Multistemmed. Single Stake.
Betula pubescens	12-14cm. Heavy Standard, Rootballed. Double staked.
Betula utilis var. jacquemontii	150-200cm, Multi-stem, 5 stems. Rootballed. Single Staked.
Malus floribunda	6/8cm. 12L Pot. Single stake
Pinus nigra	1.5/1.75m Rootballed, Single Stake
Quercus robur	12-14cms Heavy Standard, Rootballed Double staked
Sorbus aucuparia	12-14cm. Heavy Standard. Rootballed. Double Staked

### Hedgerow Planting Schedule

- Hawthorn 60%
- Field Maple 10%
- Hazel 10%
- Guelder Rose 5%
- Dog Rose 5%
- Holly 5%
- Wild Privet 5%

**Bird Boxes:**  
18 Schwegler Sparrow Nest Box  
with 32mm Sparrows entrances



**Specifications:**  
Dimensions: height: 23cm, diameter: 16cm  
Weight: 3.6kg  
Material: Schwegler Woodcrete  
Available colours: brown, green, white, red, all with grey front panel  
Supplied with: galvanised steel hanger and aluminium nail  
Entrance hole sizes: 26mm, 32mm or Oval (29 x 55mm)

**Bird Boxes:**  
35 Schwegler Starling Nest Box  
with 45mm Starlings entrances

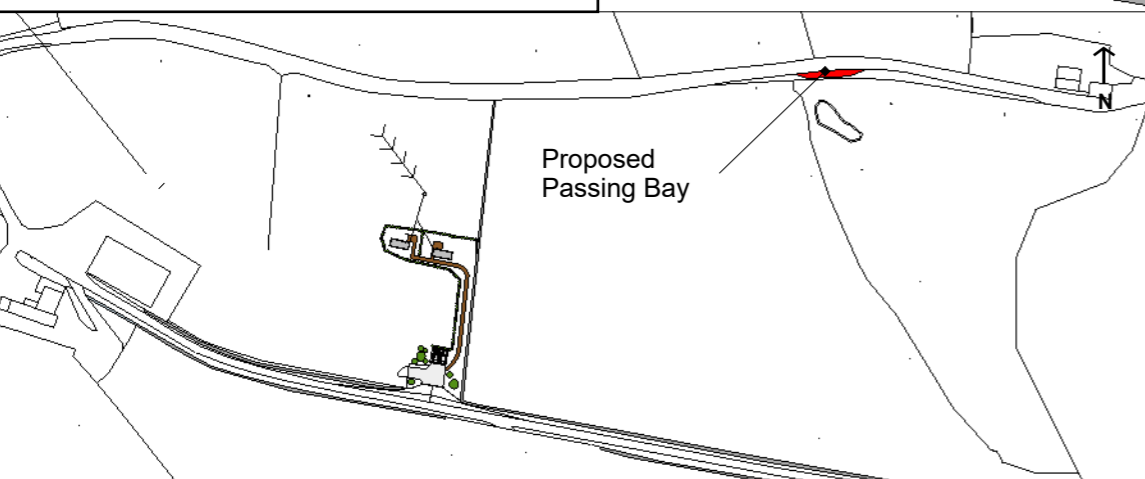


**Specifications:**  
External dimensions: 28 x 19 x 20cm  
Entrance hole diameter: 45mm  
Nesting chamber diameter: 14cm  
Weight: 4.4kg

Available from:  
NHBS  
01803 865913

**nb:**  
Final locations of all bird boxes to be confirmed by ecologist

### Proposed Passing Space Location scale 1:2500



Proposed bird box/feeder

Proposed bird box/feeder

Grass retained and planted with wild flower

Gravel Footpath

New post and wire fence with native hedgerow planting

Existing boundary wall and hedge retained

Proposed tree planting

Proposed tree planting

New bird box

New timber post and rail fence

New steel field gate

### Landscape Specification

#### 1.0 WORKMANSHIP – GENERAL

##### 1.1 SITE CLEARANCE

Where the site has not been wholly cleared, the Contractor shall cut, rake up and remove from site all vegetation excepting those existing plants to be retained as shown on the drawings. Roots shall be grubbed up. All rubbish and hardcore shall be removed from site to tip at the Contractors expense. Reference should be made to the Tree Protection Plan.

##### 1.2 EARTH FILL AND GRADING

When this is to form part of the works, the Contractor must firstly strip all site topsoil from the area to be filled or graded, making sure that all the existing vegetation and stones over 50mm have been removed and carted off site. Store the topsoil in uncompacted heaps not over 1.25m in height, taking care that it is not mixed with subsoil or deleterious material.

##### 1.3 SUBSOILING AND TOPSOILING

All Topsoil to conform to BS3882:2015, all subsoil to conform to BS 8601:2013.

##### Soil profiles for areas of new planting:

- Grass: 150mm depth topsoil over 150mm depth subsoil
- Shrubs: 300mm depth topsoil over 300mm depth subsoil
- Trees: 300mm depth topsoil over 600mm depth subsoil

Any levels to be made up beneath topsoil depths shall be made up by using sub-soil fill. Topsoil and sub-soil shall each be deposited in separate spoil heaps and strict precautions are essential to prevent loss or admixture of topsoil with sub-soil. The Contractor is to take all due care in the course of the earth moving work, to ensure that all deposited material is evenly consolidated and especially that any lumps of soil are completely broken up in the course of the grading work. A suitable period is, if possible, to be permitted to elapse subsequent to soil being placed to allow for major settlement prior to finishing, grading, grassing and planting.

##### 1.4 TREE SUPPLY, HANDLING AND PLANTING

Shall be accordance with BS8545:2014 (Trees: from nursery to independence in the landscape - recommendations). See Tree Pit Section for planting. All tree planting, including containerised stock, shall be carried out between November and March but not during periods of frost, drought or cold drying winds. At the time of planting and at such times as directed, all plants shall be thoroughly watered. Staking only required for standards. Native species are to be of local provenance (Shropshire or surrounding counties)

##### 1.5 PROTECTION OF SUPPLIED PLANTS

Plants shall be protected from root exposure and desiccation at all times, bare roots shall be heeled in properly and protected during the planting operation. Containerised plants shall be adequately watered whilst awaiting planting. Seeds shall be protected from harmful temperature/moisture fluctuations and vermin.

##### 1.6 RABBIT PROTECTION

Tree and shrub shelters to be installed for all Tubex Ecostart 0.6m for woodland shrub mix. Tubex shelterguard 0.6m with stake for all other trees.

##### 1.6 SHRUB CULTIVATION, PREPARATION AND PLANTING.

All shrub planting, including containerised stock, shall be carried out between November and March but not during periods of frost, drought or cold drying winds. At the time of planting and at such times as directed, all plants shall be thoroughly watered. Container grown plants should be thoroughly soaked prior to removing the container. Unsuitable plants and materials, rejected by the Landscape Architect, shall be cleared from site and replaced with satisfactory goods at the Contractors expense. The whole of the areas to be shrub planted, as shown on the drawings, are to be thoroughly cultivated to a fine tilth by hand or machine, where appropriate and broken up to not less than 300mm deep and thoroughly cleared of all extraneous matter. The Contractor is to allow for the removal from Site of all rubbish, stones and weed growth. Fill depressions in ground surface with topsoil and lightly compact in 150mm layers until surface is level with surface of surrounding ground. Prior to planting, fork in a 50mm layer of composted bark, composted garden waste or mushroom compost. Bring the soil to an even tilth and necessary firmness.

##### 1.7 SHRUB PLANTING

Beech hedging to be notch planted, care taken to avoid damage to existing roots. All other shrub planting: dig holes to adequate size and depth to take rootball or root system. Make sure that the root system is not damaged in any way and that the plant is at the same depth as it was at the nursery. Backfill is to be well worked in around the roots and properly firmed in. Containerised plants shall be thoroughly soaked before removal from containers and planting. Individual planting positions, shown on the drawing, shall be prepared to the same standards as borders. Allow a pit not less than 450mm diameter increased as necessary to accommodate spread out root systems or rootballs so that the pit diameter exceeds the root spread by 300mm overall or 600mm for trees.

##### 1.8 BARK MULCH

After planting spread bark mulch to a depth of 75mm over all planted areas. Mulch shall be graded softwood bark flakes. Nominal particle size – as measured using BS sieving techniques – shall be 10-40mm with no more than 15% below 10mm. Material consisting largely of long thin particles will not be accepted. The bark shall have been removed from the parent timber and matured for a minimum of four months prior to application as mulch. Combined timber/sawdust/shaving content shall be no more than 5%. The pH shall be between 4 and 7. Available manganese content shall be no greater than 35 PPM. It shall be free flowing, pest, disease and weed free. The Contractor shall supply a small representative quantity to the Landscape Architect for approval. All mulch used must be of equal quality as the approved sample. The Contractor shall keep the initial load for comparison. The quality must be maintained throughout and any delivery below the standard of the approved sample will be rejected and must be carried away at the Contractors expense, as must any surplus mulch. When completed ensure that the mulch is not spread over paving or other hard surfaces.

##### 1.9 LAWN SEEDING/TURFING

The Contractor shall carry out seeding/turfing and maintenance of seeded areas in accordance with the seed/turf supplier's guidance. Areas for seeding/turfing should be on firmed but not compacted topsoil of minimum 150mm depth that has been broken up to full depth (except within in Root Protection Areas). The surface should be reduced to a fine tilth and areas to be seeded/turfed should be free of weeds. Surface stones exceeding 10mm should be removed prior to seeding/turfing.

##### 1.10 ADDITIONAL NOTES

Formative pruning of young trees to accord with BS3998:2010 (Tree works - Recommendations). Tree ties, stakes and rabbit protection: to be inspected quarterly and adjusted as required to avoid damage to tree. Ties and stakes to be completely removed after 12 months, rabbit protection after 2 years.

Mulched areas: inspect and top-up mulch areas annually, as per 1.8.

Watering during 2 years establishment period: as required to ensure thriving, notably during dry spells and in summer.

Hedging: trim annually to batter during autumn and outside of breeding bird season (i.e outside February to August). Remove arisings.

##### N.B.

**No peat to be used in the preparation or planting.**

**Provenance:** Native species used are to be of local provenance (Shropshire or surrounding counties)

**Implementation timetable:** The planting implementation shall be undertaken by the end of the next available planting season following the completion of construction.

Planting seasons:

- Tree and shrub planting: Late October to late March.
- Container grown plants: At any time if ground and weather conditions are favourable

<b>Y CAIS   PROPOSAL:</b>	Siting of two shepherd huts for holiday use and associated work - Details of landscaping and passing bay location (Condition 3 & 7 of 21/0227/FUL)	<b>TEITL   TITLE:</b>	<b>Landscaping &amp; Biodiversity Plan</b>
<b>CYFEIRIAD   ADDRESS:</b>	Gors, Llangadfan, Welshpool, Powys, SY210PS	<b>RHIF   NUMBER:</b>	<b>08A</b>
<b>CLEIENT   CLIENT:</b>	Huw a Meinir Evans	<b>GRDDFA   SCALE:</b>	<b>1:500 @ A3</b>