
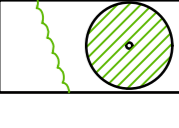
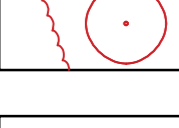
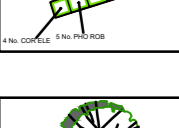

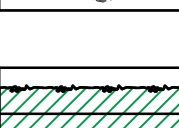

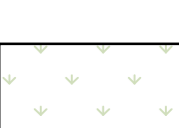
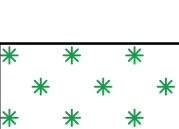
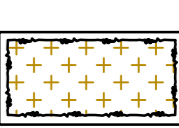
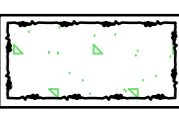

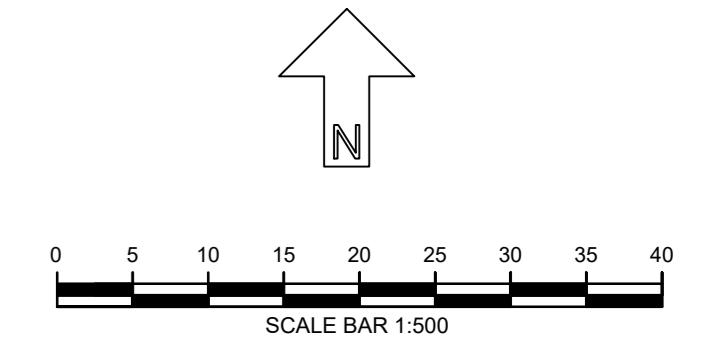




DO NOT SCALE
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- Planting Plan Key:**
-  Site Boundary
 -  Existing trees and vegetation to be retained and protected during the works.
 -  Existing trees and vegetation to be removed.
 -  Proposed ornamental planting on 400mm depth of topsoil with 75mm bark mulch.
 -  Proposed native tree planting, tree pit and double staking as detailed in the specification.
 -  Proposed ornamental tree planting, tree pit and double staking as detailed in the specification.
 -  Proposed single species formal hedge planted in a single row 3 no. or 5 no. plants per linear metre (dependant on container size). Container transplants.
 -  Front gardens to be turfed on 150mm topsoil.
 -  Public open space to be sown with Geminal Aberystwyth mix, or similar approved, to be sown at a rate of 45g/m² on 150mm topsoil.
 -  Public open space to be sown with Geminal Eco Species Rich Lawn mix, or similar approved, to be sown at a rate of 10g/m² on 150mm topsoil.
 -  Wildflower seeding, Geminal RE3 River Floodplain / Water Meadow (MGB Grassland), to the existing water course - to public open space to be sown at 5g/m².
 -  Wildflower seeding, WF19 Pollinators Paradise, to the public open space to be sown at 2g/m².



REV	DESCRIPTION	DATE

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CLIENT: CASTLE GREEN HOMES
 PROJECT: WREXHAM ROAD, ABERMORDDU
 DRAWING TITLE: PLANTING PLAN (SHEET 1 OF 2)
 SCALE: 1:500 @ A0 DRAWING No: REV:
 DRAWN BY: SC CHD BY: CN DATE: 01/09/2022 P.1542.21.04

LANDSCAPE AND MAINTENANCE SPECIFICATION

All operations to comply with appropriate British Standards unless otherwise stated on drawings or in the specification.

GENERAL TREATMENT OF PLANTING AREAS

Ensure that planting areas are protected from consolidation by heavy construction plant.

For work near a retained tree: Refer to BS 5837 *Trees in relation to design, demolition & construction - Recommendations*- Section 9 (Appendix C).

Damage to Plants to be Retained: If a plant is to be retained is damaged, the plant is to be repaired or replaced by the contractor at their own expense. "Damaged" means:

- The destruction of a plant the breaking of branches or roots
- The debarking of trunks or limbs
- The contamination of root zone soil or plants from drift sprays, dust or contaminated storm water
- The damage by the placement of fill or building materials within the canopy perimeter or otherwise.

1) GROUND PREPARATION AND SOIL SPECIFICATION

Subsoil:

Before receiving topsoil, subsoil shall be loosened using appropriate equipment to a depth of 300mm. This shall be done when the subsoil is dry so as to encourage soil shattering. All stones and other objects larger than 50mm shall be removed from the prepared surface. The loosened subsoil shall be roughly levelled so that an even depth of topsoil can be achieved.

Topsoil (To Comply with British Standard 3882:2015 - Specification for Topsoil):

Imported topsoil shall be Multipurpose Grade as described in BS 3882:2015 and suitable for sustaining plant life. Stockpiling of soil shall be avoided whenever possible to minimise loss of physical quality, diffusion of oxygen and biological activity.

Any stockpiling shall not exceed 1.5 metres high and shall be sited so as to avoid risk of muddy water run-off into a watercourse, not exceeding 1.5 metres high.

The site of the stockpile will be prepared in advance by grading, removing rubbish and ensuring no fuel or chemicals were previously stored in area.

Topsoil shall be lightly consolidated in layers not exceeding 150mm using track laying machinery.

Soil shall not be handled in inappropriate conditions of weather and soil moisture i.e.

During or shortly after heavy precipitation

When soil is in a waterlogged condition

When the ground is frozen or covered by snow

When there are pools of water on the grounds surface.

Topsoil shall be laid to the following minimum depths:

150mm below new grass areas

300mm to rear gardens

400mm beneath new shrub areas.

Finished levels, after settlement, shall be as follows:

25mm above adjacent paving from new grassed areas and non-mulched shrub beds

75mm below adjacent paving and grass for mulched planting beds.

150mm below damp proof courses.

2) GROUND CONDITIONING

40 litres of compost to be incorporated into the top 200mm of each square metre of topsoil for all ornamental shrub beds.

3) PLANT AND PLANTING SPECIFICATION

All plant stock, plant handling and planting to be undertaken in accordance with the following British Standard Specifications and Code of Practice:

BS 8545:2014 'Trees: from nursery to independence in the landscape

BS 3936: Part 1 1992 Nursery stock (Specification for trees and shrubs)

BS 3936: Part 4 1984 Nursery stock (Specification for forest trees)

BS 3936: Part 9 1987 Nursery stock (Specification for bulbs, corms and tubers)

BS 3936: Part 10 1990 Nursery stock (Specification for ground cover plants)

BS 4428: 1989 Recommendations for general landscaping operations.

BS 4043: 1989 Recommendations for transplanting root-balled trees. (withdrawn)

The Code of Practice for Plant Handling 1985. (Horticultural Trades Association).

Plant Stock:

Plant stock to be supplied in accordance with the size and description specified ion the plant schedule and position indicated on the most current revision of the planting plan.

Plant stock shall be healthy, vigorous, free from pests and diseases and suitably hardened off for the proposed situation of planting and lifted at a time in accordance with good nursery practice. Stock shall have a well-formed fibrous root system and be free from perennial weeds. The form of trees shall be in accordance with BS 3936: Part 1:1992, Section 7, *Form of Trees*.

Plant Handling:

All plant materials shall be lifted, bundled, labelled, packaged, transported, temporarily stored and planted in accordance with the procedures and methods illustrated in the publication, "*Plant Handling*" (Horticultural; Trades Association) and relevant sections of BS 4043: 1989 *Transplanting Root-Balled Trees*.

Tree Planting:

Trees to be pit planted following supplier recommendations. Minimum pit size: Selected standard tree 750 x 750 x 700, Heavy standard tree 1000 x 1000 x 1000mm. Pits to be prepared to base and sides of pit to be further scarified.

Trees to be double staked using two stakes (75mm dia.), driven into ground 400mm below bottom of pit. Trees to be centrally located and stem placed in an upright position. Pit to be backfilled with 200-600mm (dependant on depth of pit due to size of tree) of a mix of subsoil with a 70 to 80% mix of sharp sand. Irrigation pipe to put around bottom of rootball with 25mm of pipe sticking out from the bark mulch level. Backfill remaining area of pit with 400mm of a 3:1 mix of an approved topsoil with compost. Backfill firmly to 50mm above previous ground level and creating a slightly domed shape with the highest point being at the centre of the tree to assist drainage and settlement. Tree pits in grass to contain a 600mm diameter circle of medium grade bark mulch to a settled depth of 75mm. Water each tree in same day of planting, 30 to 50 litres per tree dependant on size and soil conditions. All works shall be carried out to the minimum standard according to BS 3936: 1992 Part 1 Nursery Stock. Specification for Trees and Shrubs. BS 4043: 1989 Recommendations for transplanting root-balled trees.

Staking:

Double stake all trees with two stakes, a crossbar, a spacer and webbing. Stakes to be round timber with chamfered tops. Position stake close to tree on windward side and drive vertically at least 400mm into bottom of pit before planting. Backfilling: consolidate material around stake. Height of stakes: cut to approximately 600mm above ground level, taking care not to damage the bark. Ties: Webbing with a spacer. Tying: secure tree firmly to crossbar with spacer and webbing.

Mulch:

All shrub beds shall be spread with a medium grade bark mulch to a settled depth of 75mm. Tree locations in grass should have a 600mm diameter circle of medium grade bark mulch to a settled depth of 75mm. Mulch to be free from fines, weeds, disease and contaminants.

Ornamental shrub and Herbaceous planting:

To be set out carefully and evenly over indicated areas. Remove plants from pots and plastic containers, plant and water in thoroughly. Shrubs shall be individually pit planted in prepared pits sized to accommodate full spread of roots. Plants shall be evenly spaced over the planting area. Firm backfill by treading, ensuring the ground is not overly compacted and that the plant is positioned upright.

New formal hedges

Consistent in species, cultivar and clone to ensure a uniform hedge. To be planted in a previous prepared planting bed 0.6 metre wide. Plant stock to be planted centrally in a single row at 330mm spacings (3 per linear metre). Ensure plants are planted to the correct depth to correspond to the soil mark on main stems. Prune back to a height of 1 metres.

Turfed Areas:

To be specified and laid in accordance with BS. 3936:1998 Recommendations for turf for general purposes. Turf to be Lindum Festival Turf (or similar approved). Hardwearing with a dense sward containing a mixture of 25% perennial ryegrass, 55% fescues and 20% smooth stalked meadow grass. This mix is easy to maintain and will recover well from general wear.

Turf to be laid in suitable weather conditions on a prepared bed with no weeds and a suitable slow release fertiliser applied to bed prior to laying. Turf to be watered regularly until it is well established.

Rear gardens:

Subsoil to be prepared to a depth of 300mm as per ground preparation and soil specification. Topsoil to be supplied as per ground preparation and soil specification to a depth of 300mm, after gentle compaction and to be left bare in rear gardens.

Grass Seeding:

Public open spaces shall be Germinal AberSustain mix, or similar approved. Sowing to be taken between March and October.

Topsoil shall be cultivated to a fine tilth, be free from weeds, stones and other debris. Levels to be graded to form finished levels as indicated in section, "Topsoil".

Roll, fertilise at 50gms/sq m, 10-14 days prior to seeding, sow at rate of 40g/m2 and lightly rake. First cut to be undertaken when grass reaches 50mm.

Wildflower Seeding:

Seed mix shall be Germinal WFG20 Eco Species Rich Lawn, or similar approved. Sowing to be taken between March and October.

Topsoil shall be cultivated to a fine tilth, be free from weeds, stones and other debris. Sow at rate of 10 g/m2 and lightly rake. First cut to be undertaken 6 weeks after sowing or when reaches 70-100mm.

Seed mix shall be Germinal RE3 River Floodplain / Water Meadow (MG8 Grassland), or similar approved within the proposed pond. Sowing to be taken between March and October.

Topsoil shall be cultivated to a fine tilth, be free from weeds, stones and other debris. Sow at rate of 5 g/m2 and lightly rake. First cut to be undertaken 6 weeks after sowing or when reaches 70-100mm.

Seed mix shall be Germinal WF19 Pollinators Paradise, or similar approved. Sowing to be taken between March and October.

Topsoil shall be cultivated to a fine tilth, be free from weeds, stones and other debris. Sow at rate of 2 g/m2 and lightly rake. First cut to be undertaken 6 weeks after sowing or when reaches 70-100mm.

4) MAINTENANCE AND MANAGEMENT

Plant stock and soft landscaped areas shall be maintained for a period of five years via the developers' agent or appointed Management Company during which time the following operations shall be carried out:

Regular visits:

Monthly maintenance visits to include the following operations:

- Hand weed planting beds
- Remove litter
- Sweep mulch spillage
- Re-firming plant stock to ensure the new planting is all planting to upright positions.
- Adjust stakes and ties as necessary
- Prune plant stock as required to encourage good form
- Check all plant stock and report signs of pests, disease, death and damage

Mulch:

Top up mulch levels (using matching material) surrounding trees and within beds to 75mm at the end of the maintenance period.

Watering:

Plant stock to receive the following quantities of water:

Trees: Water regularly each month dependant on size, soil conditions and weather conditions between April and September.

Shrubs and transplants: 5 litres/plant on three occasions throughout growing season.

Watering to be undertaken during the first 24 months as needed to maintain plant health.

Grass Maintenance:

Grass shall be cut throughout the growing season to maintain a sward of approximately 38mm. Shall be edged, watered as necessary and clippings removed.

Wildflower Maintenance:

In the first year once the sward height is at least 10cm, cut to a sward length of 70mm after flowering, allowing the heads to go to seed and the seeds to drop into the soil so as they regrow the next year. The seeds can be firmed into the ground to promote regrowth. The clippings should be left to allow annuals to return also.

Cut to a sward length of 70mm annually after the flowers have set seed for the following years, leaving the clippings in situ to promote regrowth.

RE3 River Floodplain / Water Meadow (MG8 Grassland)

Autumn Sown: during the first year: first cut shall be early July, then monthly during August, September and October to maintain a sward of approximately 70mm.

Thereafter: shall be cut 2 times a year mid-July to early September to maintain a sward of approximately 70mm.

Spring Sown: during the first year: first cut shall be mid-September, then again during October to maintain a sward of approximately 70mm.

Thereafter: shall be cut 1 time a year mid-July to early September or as required leaving at least fortnight between cuts to maintain a sward of approximately 70mm.

The clippings shall be left in situ for 3 to 7 days to allow seed drop, then removed to prevent nutrient build up.

WFG20 Eco Species Rich Lawn Maintenance

First Cut: Mid-September. Cutting height approximately 70mm.

Thereafter: shall be cut 2 times a year mid-August to early October to maintain a sward of approximately 70mm.

The clippings shall be left in situ for 3 to 7 days to allow seed drop, then removed to prevent nutrient build up.

New Tree/Shrub Planting:

Weed control by hand to ensure planting area is weed free. Check stakes and guards are in place and replace where necessary. Prune, thin and remove suckers, seedlings, dead, damaged, or diseased branches annually between October and January to avoid the bird nesting season. Replace dead / dying stock in winter.

Plant replacements:

All dead, dying and vandalised plant stock shall be replaced, at the landscape contractor's expense, at the end of each growing season throughout the maintenance period.

Planting Schedule

Trees	Number of Plants	Abbreviation	Species	Specification	Height	Girth	Density
6	-	ACE ELS	Acer campestre 'Elsrijk'	Selected Standard: 4 brks: 2x: RB: Clear Stem min. 200cm	300-350cm	10-12cm	Counted
5	-	AME BAL	Amelanchier 'Ballerina'	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	300-350cm	10-12cm	Counted
5	-	BET PEN	Betula pendula	Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm	350-425cm	12-14cm	Counted
8	-	CAR BET	Carpinus betulus	Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm	350-425cm	12-14cm	Counted
6	-	CAR FON	Carpinus betulus 'Frans Fontaine'	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	300-350cm	10-12cm	Counted
3	-	COR COL	Corylus colurna	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	300-350cm	10-12cm	Counted
5	-	CRA SCA	Crataegus laevigata 'Paul's Scarlet'	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	300-350cm	10-12cm	Counted
3	-	MAL RUD	Malus 'Rudolph'	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	300-350cm	10-12cm	Counted
3	-	POP BET	Populus nigra betulifolia	Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm	350-425cm	12-14cm	Counted
4	-	PRU GOO	Prunus 'Snow Goose'	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	300-350cm	10-12cm	Counted
3	-	PRU UMI	Prunus 'Umineko'	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	300-350cm	10-12cm	Counted
1	-	PYR CHA	Pyrus calleryana 'Chanticleer'	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	300-350cm	10-12cm	Counted
13	-	QUE ROB	Quercus robur	Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm	350-425cm	12-14cm	Counted
5	-	SOR STR	Sorbus aucuparia 'Streewise'	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	300-350cm	10-12cm	Counted
10	-	TIL GRE	Tilia cordata 'Greenspire'	Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm	350-425cm	12-14cm	Counted
Total	:80	-	-	-	-	-	-

Shrubs	Number of Plants	Abbreviation	Species	Specification	Height	Pot Size	Density	Area
11	-	GAL GIR	Callicarpa bodinieri giraldii	Bushy: 3 brks: C		3L	3/m ²	3.3593m ²
54	-	CAM DON	Camellia x williamsii 'Donation'	Bushy: 4 brks: C		3L	3/m ²	16.617m ²
25	-	CAR BLU	Caryopteris x clandonensis 'Heavenly Blue'	Branched: 4 brks: C	30-40cm	3L	3/m ²	7.7494m ²
4	-	CHO PEA	Choisya 'Aztec Pearl'	Bushy: 5 brks: C	30-40cm	3L	3/m ²	1.0528m ²
5	-	CIS PIN	Cistus 'Silver Pink'	Bushy: 4 brks: C	20-30cm	3L	3/m ²	1.5338m ²
57	-	CIS FRA	Cistus x purpureus 'Alan Fradd'	Bushy: 4 brks: C		3L	3/m ²	18.3746m ²
11	-	COR PUR	Corylus maxima 'Purpurea'	Branched: 2 brks: C	40-60cm	3L	2/m ²	5.3423m ²
13	-	COT PUR	Cotinus coccinea 'Royal Purple'	Branched: 3 brks: C	30-40cm	3L	3/m ²	4.1291m ²
43	-	DAP MEZ	Daphne mezereum	Branched: 3 brks: C	30-40cm	3L	3/m ²	12.967m ²
27	-	EUO GAI	Euonymus fortunei 'Emerald Gaiety'	Bushy: 7 brks: C	20-30cm	3L	3/m ²	8.3478m ²
27	-	EUO QUE	Euonymus fortunei 'Silver Queen'	Bushy: 5 brks: C	20-30cm	3L	4/m ²	6.5381m ²
18	-	FUC POP	Fuchsia 'Mrs Poppie'	Bushy: 5 brks: C	20-30cm	3L	3/m ²	5.945m ²
31	-	HEBGG	Hebe 'Green Globe'	Bushy: 7 brks: C	15-20cm	3L	7/m ²	4.2765m ²
20	-	HEB RAK	Hebe rakalensis	Bushy: 5 brks: C		3L	3/m ²	6.2101m ²
52	-	HYD GRA	Hydrangea paniculata 'Grandiflora'	Branched: 3 brks: C	30-40cm	2L	2/m ²	24.2386m ²
14	-	LAV HID	Lavandula angustifolia 'Hidcote'	Bushy: 5 brks: C	20-30cm	3L	3/m ²	4.31m ²
26	-	LAV PED	Lavandula stoechas pedunculata	Bushy: 5 brks: C	15-20cm	2L	4/m ²	6.3129m ²
39	-	PAC TER	Pachysandra terminalis	Several Shoots: 9 brks: C		3L	4/m ²	9.3575m ²
25	-	PER SPI	Perovskia 'Blue Spire'	Bushy: 3 brks: C	30-40cm	3L	3/m ²	7.946m ²
27	-	ROS COU	Rosa 'Blanche Double de Coubert'	Budded: Bush: Quality A: C	40-60cm	4L	2/m ²	12.3169m ²
29	-	ROSFRN	Rosa 'Fritz Nobis'	Branched: 3 brks: C	30-40cm	3L	1/m ²	26.2688m ²
19	-	ROS UPR	Rosmarinus officinalis 'Miss Jessopp's Upright'	Bushy: 4 brks: C	30-40cm	3L	3/m ²	5.9654m ²
8	-	SAN CHA	Santolina chamaecyparissus	Bushy: 7 brks: C	20-30cm	3L	3/m ²	2.5183m ²
67	-	SAR DIG	Sarcococca hookeriana digyna	Bushy: 6 brks: C	20-30cm	3L	4/m ²	16.0486m ²
26	-	SKI RUB	Skimmia japonica 'Rubella'	Bushy: 3 brks: C	30-40cm	3L	4/m ²	6.1312m ²
89	-	SPI ARG	Spiraea 'Arguta'	Branched: 5 brks: C	40-60cm	3L	3/m ²	28.3265m ²
22	-	VIB LAN	Viburnum plicatum 'Lanarth'	Branched: 3 brks: C	40-60cm	3L	1/m ²	19.3724m ²
Total	:789	-	-	-	-	-	-	Total :271.1654m ²

Herbaceous	Number of Plants	Abbreviation	Species	Specification	Pot Size	Density	Area
10	-	ALC MOL	Alchemilla mollis	Full Pot: C	3L	3/m ²	3.262m ²
19	-	ANE CHA	Anemone x hybrida 'Queen Charlotte'	Full Pot: C	3L	4/m ²	4.5363m ²
79	-	AQU HYB	Aquilegia McKana Hybrids	Full Pot: C	3L	5/m ²	15.17m ^{2</}