

Planting & Aftercare Specification

Timing

The planting scheme is to be implemented within the first available planting season (October to March) after the first use of the development.

Planting medium

Imported topsoil is to comply with BS 3882 (2007) Multipurpose. Tree and shrub Planting compost is to be ALS Premier peat free tree planting and mulching compost incorporating Complete Soak granular at time of manufacture. Generally allow for 2 parts topsoil and 1 part planting compost. All available from Amenity Land Services (Tel no. 01592 641 949).

Proposed amenity grass areas to comprise min 300mm depth free draining soil overlain with min. 150mm depth imported topsoil cover. Proposed wildflower grass areas to be free of imported topsoil but graded smoothly into adjacent soiled areas

Allow for min. 450 mm depth topsoil cover for all proposed native, amenity shrubs and ground cover beds with formation cleared of debris / foreign material and broken up to min. 150mm depth to relieve compaction.

Planting

Plant material is to comply with BS3936 (Specification for Nursery stock, Part 1, 1992) and BS5236 (Recommendations for the cultivation of trees in the Extra Large Nursery Stock Category) unless otherwise approved. Lifting, handling, delivery and temporary storage of plant material will be the responsibility of the Contractor and should be carried out in accordance with the Plant Handling specification issued by the Committee for Plant Supply and Establishment. Prior to mulching allow for watering all trees and shrubs, perennials and green screens to full ground capacity at time of planting. Newly seeded / turfed grass areas should be kept adequately watered until satisfactorily established.

Final tree stations to be agreed with LPA Arb Officer prior to planting, no planting station to be located over, or within 3m of new electrical service runs unless otherwise agreed with LPA Arb officer. Trees in open grass will require proprietary strimmer guards to be fitted in accordance with suppliers recommendations - available from Amenity Land Services (Tel no. 01592 641 949).

Mulch

Mulch for trees / ornamental shrubs / groundcover is to be an approved type Bark mulch (range 5 - 35mm to be spread throughout all planted areas to a depth of 75mm and topped up annually. Trees in grassland are to be mulched to 75mm depth around the base to a 500mm radius and kept weedfree throughout the establishment period.

Wildflower grass areas

Existing and proposed rough, unmanaged and enhanced grassland areas are to be established and managed with reference to consulting ecologists recommendations

Semi-mature Tree Planting (<20cm girth trees)

Pits for semi-mature tree planting are to be pre-excavated and jointly inspected / approved prior to tree planting, pits to be min 1000mm deep and min 1500mm square with any exposed service runs reported to CA prior to planting. Semi-mature trees are to be planted using Greenleaf Arborguy Tree Guying System, Root Director / Reroot service protection and Root Rain Irrigation system all sized to suit tree girth and available from Greenleaf Trees (01424 717797).

Ground Anchors (14-20cm girth trees)

ANS tree anchors are to be Platipus tree anchoring system RF IP or similar approved type including Plati-Mats. Irrigation system for standard and larger trees is to be Piddler Tree irrigation or similar approved type sized to suit rootball dia. All available from Amenity Land Services (Tel no. 01592 641 949)

Tree stakes and ties (Feathers and <14cm trees)

Tree stakes are to be untreated softwood, straight pointed at one end, free of bark and without any projections. Stake use will vary according to the species of tree being supported as shown on the drawings. All stakes are to be long enough to project 900mm into the ground and to finish at specified heights above ground after fixing. Tree stakes are to be set to the windward side of trees in advance of planting unless otherwise requested. Stakes should be driven to a minimum depth of 900mm finishing 600mm above ground.

Tree ties are to be Greenleaf hessian NatureTie or similar fixed in accordance with suppliers recommendations. Tree stakes and ties are to be removed after 2-3 years to ensure successful establishment within the statutory aftercare period.

5 year establishment period

Each year check monthly (April to October) the health and vigour of all trees, shrubs and groundcover and prune to remove dead branches, maintain good form and encourage flowering once annually at an appropriate time.

Allow for clearing litter from planting beds

Keep all planted areas weed free at all times, top up mulch to all planted areas to maintain 75mm depth at least once annually. Maintain a fully mulched, weed free 1m ring around each tree in open grass areas. Each year any plant material which is dead, dying or failing to thrive is to be replaced on a like for like basis during the first planting season (October to March) following failure.

Allow for checking / firming tree stakes / soil around rootballs and adjusting tree ties at least monthly. Remove tree ties and stakes after 2-3 years.

Allow for mowing sports and amenity grassland areas upto 13 times annually and for re-levelling, seeding and reinstatement of any damaged areas of grass. Delay cutting bulb areas under trees and around shrub beds where indicated to suit flowering period of bulbs. Allow for managing wildflower grassland areas in accordance with consulting ecologists recommendations

Refer to ecologists proposals for plug planting improvement of existing grassland areas

405sq.m @ 1m c's
405no. Native plantation mix

Refer to dwg. 02 for inset detail area planting

50sq.m @ 1m c's
50no. Native plantation mix

Willow scrub

105sq.m @ 1m c's
105no. Native plantation mix

15sq.m @ 1m c's
15no. Native plantation mix

Refer to ecologists proposals for plug planting of wetland area

175sq.m @ 1m c's
175no. Native plantation mix

Refer to Atkins / WCBC drawings for final drainage runs and root protection measures

Refer to ecologists proposals for plug planting improvement of existing grassland areas

35sq.m @ 1m c's
35no. Native plantation mix

45sq.m @ 2/sq.m
20no. Cor al Sib
20no. Cor flav
20no. Cor MWF
15no. Spir GF
15no. Vib op Comp

60sq.m @ 3/sq.m
45no. Maho Char
45no. Eac AB
45no. Junip OG
45no. Spir GF

45sq.m @ 3/sq.m
35no. Cor kel
35no. Euon SQ
35no. Lon MG
30no. Sal hast Wehr

2no. AG
2no. AL
2no. BP
2no. BPb
2no. PT
2no. SA

265sq.m @ 1m c's
265no. Native plantation mix

Final tree stations to be set out as agreed on site - no works within Tree Protection Zone or within 3m of new power cables.
Final tree stations to be agreed with LPA Arb Officer prior to planting
Open grassland trees to be planted into 1000-1200mm dia. depression 50-100mm depth to localise water infiltration around base of tree during irrigation

35no. 12-14cm Heavy Standards at approx. 9m centres
9no. FE
9no. PA
8no. PS
9no. QR

As a general rule provide 50 litres for every 25cm of trunk circumference. Apply half the water via the irrigation pipe (if fitted) and half over the surface of the pit area, so that it soaks into the area of the root system. Take care to ensure that water does not run off the surface, taking it away from the tree. If necessary form berms to the edge of the pit area, to retain the water as it is applied. Use this table as a guide for the amount of water to be delivered at each watering:

Girth (cm)	Height	Litres
12/14	2.5 - 3.0	25
14/16	2.5 - 3.0	30
16/18	3.0 - 3.5	35
18/20	3.5 - 4.0	40
20/25	4.0 - 4.5	50
25/30	4.5 - 5.0	60
30/35	5.0 - 5.5	70
35/40	5.5 - 6.0	80
40/50	6.0 - 7.0	100
50/60	7.0 - 8.0	120
60 +	8.0m +	140

During periods of exceptionally wet weather do NOT water if the ground around the rootball is sodden, delay watering for one week and re-assess. If water is puddled on top of the rootball or pit area then gently use a fork to create holes around the edge of the tree pit, not too close to the rootball, to increase drainage and to stop the soil becoming anaerobic. Remove any water that does not drain away significantly from the surface of the rootball with a bucket.

During periods of severe drought - before watering use a fork to create holes around the edge of the tree pit, not too close to the rootball, to increase permeation of water and deliver 1.5 times the amount of water stated in the above table. After watering cover the entire pit area with bark mulch to a depth of 75mm as described.

Irrigation

Allow for watering all shrubs, perennials, green screens and newly established grass areas to full ground capacity as required, checking weekly during times of drought, and watering to full ground capacity on each occasion.

Standard and larger tree irrigation - Generally, trees may need to be watered regularly from April to October during the establishment period in accordance with the following schedule.

Year one - Allow for irrigating fortnightly between May and September inclusive (10 irrigation visits), however if no significant rainfall is received during April start cycle one month early (12 irrigation visits in total).

Year two - Allow for irrigating once in May and September and fortnightly June, July, August (8 irrigation visits), however if no significant rainfall is received during April start cycle one month early (9 irrigation visits in total).

Year three - Allow for irrigating once in June, twice in July, once in August (4 irrigation visits)

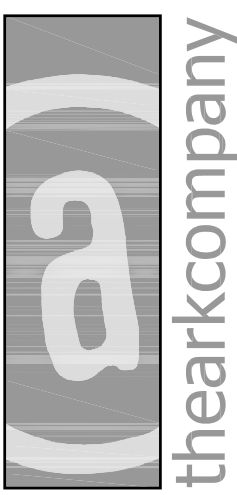
NB - Summer showers that may seem heavy do not penetrate more than 5cm of soil and do little to help the tree establish, accordingly fortnightly watering should be a regular routine regardless of summer rainfall.

Standard and larger trees are to be fitted with proprietary irrigation tubes as described, trees in open amenity grassland are to be planted into localised 1000-1200mm dia depressions 50-100mm deep to localise the infiltration of water during irrigation.

Refer to dwg. 02 for planting schedule

v6

rev v6 ~ July 2012 ~ Post planning revisions to suit further WCBC comments
rev v5 ~ June 2012 ~ Post planning revisions to suit further WCBC comments
rev v4 ~ May 2012 ~ Post planning revisions to suit WCBC comments
rev v3 ~ Feb 2012 ~ Layout re-drawn
rev v2 ~ Oct 2011 ~ Layout re-drawn



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Wrexham County Borough Council
Land at Delamere Avenue ~ Gwersyllt

Proposed new school
Planting proposals - wider site area

Dwg.No. 02/107/03

v6

A1 @ 1/500

Feb 2012