

PLANTING NOTES

PLANTING - GENERAL

Quality of all plant material will be compatible with BS3936 part 1, 1992 specifications - 'Nursery Stock'.
Handling and transportation of all plants shall be carried out in accordance with Horticultural Trade Associations 'Plant Handling' recommendation (1987).
All planting operations shall be carried out in accordance with BS5326: 1975; BS4043: 1996; and BS4428: 1968. Advanced nursery stock to BS5236: 1975.

Planting should be avoided in times of waterlogged or frozen soil. Bare-root and rootballed trees should be planted between November and March. Container-grown plants can be planted all the year round, but are easier to care for if planted in autumn or winter, as they need less watering than ones planted in spring or summer.

All plants will be supplied in accordance with the plant schedules by named nurseries. For tree planting showed on plans as planting areas (not individually positioned trees), a distance of 1.5m should be kept from hardscape elements (i.e. paving edge) to allow room for establishment. For other plants in planting areas this distance should be no smaller than 0.3m.

Bare-root and rootballed trees and shrubs should be planted immediately, but if this is not possible, then they can be heeled in (temporary planting in the soil to prevent the roots drying out) until planting is possible.

SITE PREPARATION AND EARTHWORKS

Generally all earthworks shall be executed in accordance with BS4428 'General Landscape Operations'. Ground profiles to be left with smoothly flowing contours, free from localized depressions, high spots and abrupt angles.

TOPSOIL

Topsoil to be handled (i.e. excavated and/or imported, stored, spread, cultivated) prior to work commencing. Amelioration to be determined by analysis. Prior to planting a soil test is required to determine soil sustainability and any requirements for amelioration. Topsoil should be cultivated to produce an even surface free from lumps and clods. Cultivation shall be to the minimum depths specified in details.

If poor drainage is suspected in existing soil surfaces, these should be broken up prior to planting to a depth of 400mm to remove likelihood of compaction and damage to new planting areas. Imported topsoil to be a quality loam to BS 3882. In areas of 'made' ground, a minimum depth of 200 mm of approved subsoil (to BS8601) is required overlying a free draining substrate. Imported soil shall be laid in layers of 200 mm thick and lightly compacted. The final layer shall not be compacted. Approved (peat-free) composts to be added during cultivation as required to full depth of growing medium. Hand cultivations shall be carried out to achieve the required finish on areas where machine cultivation is impossible i.e. adjacent to kerbs, manholes and footpath junctions etc. Surplus plant matter, rubbish and surface stones having any dimension greater than 25mm shall be collected and removed from the site.

It is not beneficial to apply fertiliser at planting time. However, on poor soils sprinkling an inoculant of mycorrhizal fungi (e.g. Rootgrow) over and in contact with the roots, may help trees and shrubs establish.

PLANTING METHODS

Give containerised plants a good water before taking them out of their pots. Remove plants from containers or fabric wrapping, trim potbound roots and open the package with bare-root plants making sure the packing material around the roots is moist. If it feels dry, sprinkle it with water to moisten it, but don't completely saturate it. If you need to delay planting for a few days, leave plants in their packaging and put them in a cool, shady place. Keep the roots moist and do not allow the plants to freeze. On planting day, soak the tree's roots in water an hour or two before planting. Do not soak the roots for more than 24 hours.

Dig a planting hole that is no deeper than the roots, but is ideally at least three times the diameter of the root system.

For bare-root plants, bang in the tree stake off centre, in the direction the prevailing wind comes from so the tree is blown away from it rather than pushed (and rubbed) against it. Build a mound of planting mix in the centre of the hole (soil cone), so that the peak reaches just about ground level. Prepare the mycorrhizal solution and dip the roots in before planting. Spread the roots over the soil cone, adjusting as necessary so the crown sits at the natural soil level. Use a tree tie to attach the tree to the stake. While holding the plant upright, begin backfilling the hole, pressing soil around and between the roots in layers until you've filled the hole.

For the other plants, after digging the hole sprinkle the mycorrhizal fungi powder/granules evenly, directly into the prepared planting hole. Place the plants in the planting hole and position it so that the first flare of roots are level with the soil surface when planting is complete. With container grown plants, the top layers of compost may need to be scraped away to reveal the flare of roots. Rootballed heavy and extra heavy standard trees to be double staked with a cross bar as specified in details. Refill the planting hole carefully, placing soil between and around all the roots to eliminate air pockets. Firm the soil gently, avoiding compacting the soil into a hard mass and water in.

All plants should be thoroughly watered-in after planting to ensure that the entire root zone is moist.

MULCHING

Apply the recommended depth layer of bark mulch specified in details. Bark mulch shall consist of FSC approved matured British conifer bark with an even particle size distribution between 5 35mm. The mulch to be Melcourt 'Ornamental Grade Bark Mulch' or similar approved. And a representative sample of the mulch shall be supplied or approved prior to delivery to site.

PROTECTION

All hedge plants and whips and feather trees to have a guard (Tubex Shrub Shelter Guard for shrubs and bushier trees / Tubex Easywrap Tree Shelter Guard for all other trees) and a suitable tree stake with approved tie specified in details.

FEEDING

Use of mycorrhizal inoculum at planting time aids the establishment of trees under drought conditions increases drought tolerance of planting stock and significantly lowers mortality rates. Fertilisers do not need to be added at planting time but can be used a season after planting if the soil is very poor or a boost to growth is required. However, if you are using a mycorrhizal fungi do not to apply a fertiliser at all as phosphorus (found in general fertilisers and superphosphate) can suppress the fungus.

WATERING

Watering should be continued until plants are established and in periods of drought.

GRASS AREAS

Prepare the seed bed by removing any weeds using repeated cultivation or a herbicide. Cultivation close to established trees and shrubs can be damaging to their root systems so take care not to dig too deep, keeping disturbance to the minimum required to expose fresh soil. Sowing rates and application for wild seed mixtures as per supplier recommendation. Mowing to be late August/early September removing the arisings. Weed control shall be by hand pulling or weed wiping.

AQUATICS AND MARGINALS

Aquatic plants are best planted in late spring or early summer. Where plants are supplied in solid pots, these must be planted directly into the lake soil in the depth of water specified on a label. Dig a small hole to place the plant, take the plant out of the container, put it in the hole and use a rock to keep it from floating away. Where plants are supplied in baskets, after placing the basket in the lake soil, stones or rocks can be put on the baskets to help aid stability and prevent them being blown over. There is no work involved with floating plants, just toss them into the lake.

MAINTENANCE

All plant material to receive pruning as required and hedges to be trimmed and edged as required. All areas to be maintained under installing contract for 12 months post practical completion, to provide optimum conditions for plant and grass growth and to present a clean and tidy appearance. All deaths and failures are to be replaced at the first horticultural sound opportunity. Tree ties to be inspected in spring and autumn and adjusted to prevent constriction of the stem. After two growing seasons the tree should make sufficient root growth to anchor the tree and the stake can be removed.

GENERAL NOTES

01. To be read in conjunction with Planting Details 1 & 2 (G935 241-242)
02. For detailed Information regarding Trees see Tree Planting Plans 1-5 (G935 121-125) and Planting Schedule (G935 126)
03. For detailed Information regarding Shrubs, Seed Mixes Hedges, Marginals & Aquatics see Planting Plans 1-5 (G935 131-135) and Planting Schedule (G935 136)
04. For detailed Information regarding Parking and Adventure Golf Ornamental Planting see Parking and Adventure Golf Planting Plan (G935 140) and Planting Schedule (G935 141)
05. For Lake Construction Details with Planting see Drainage & Lake Details (G935 236)

REVISIONS

REV	DATE	DESCRIPTION	REV BY	CHK BY
A	13.02.24	Amendments In Line with Environmental Sustainability Comments	SS	ATC

KEY PLAN

CONSULTANT



LEAD CONSULTANT

CLIENT

ISSUED FOR

Planning Application
100% submittal

PROJECT

Kirkby Valley Golf Club

DRAWING TITLE

235 Planting Notes & Details

Drawn	JH	Checked	ATC	Approved	ATC
Date	13.02.23	Sheet Size	A3	Scale	N.T.S.
Drawing No. G935 235 PLANTING NOTES & DETAILS				Rev. A	

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