

OUTLINE PLANTING SPECIFICATION & MAINTENANCE NOTES

TREE REPLACEMENT PLANTING 5 HILLKIRK DRIVE, ROCHDALE

PROPOSED TREE LOCATIONS & STOCK SIZE

Refer to Replacement Tree Planting Proposals drawing 737.01

For Existing tree Protection refer to Rowbottom Tree Services 'Site Tree Appraisal' Doc Ref RTS 11112024 & associated Tree Protection drawing TPP002

PROPOSED TREE SUPPLY SPECIFICATION

To be supplied by a reputable northwest tree nursery.

All standards shall have been previously transplanted at least once during their life and should have a reasonably straight, and strong central leader. The crown/ head shall be well developed for its type and evenly balanced.

All trees to be supplied in accordance with BS 8545 "Trees: from nursery to independence in the landscape -Recommendations" BSI 2014; BS 3936 Parts 1-4 and 9-10, and B.S. 5326 Trees are to be the correct species and stock size specified, and to be good specimens characteristic of species.

All plants to be supplied free from pest and disease.

TIMING OF TREE PLANTING

Ideally trees to be planted during the November to March dormant season.

However, if this is not feasible the trees could be planted between April and end of October, provided they are supplied container grown or in air pots from reputable nursery and that they are provided with additional regular watering to ensure their establishment in full leaf.

Trees to be planted on the day of their delivery, during favourable weather, avoiding excessively dry periods or periods when the ground is frozen. If the trees cannot be planted on the day of delivery, if bare root they should be temporarily 'heeled in' or covered in regularly watered hessian - to avoid the roots drying out and should not be left for more than a day or two prior to planting.

PROPOSED TREE PLANTING SPECIFICATION

To be planted in 1500 x 1500 x 700 mm depth pits. Planting medium to comprise 80% approved quality topsoil. Any imported topsoil to comply with BS 3882:2007 Multi-Purpose Grade, including the necessary certification to prove its compliance, and 20% approved peat free compost and Enmag fertilizer to be incorporated at a rate of 70 grams/m². Mycorrhizal fungus should be applied to new trees either in the form of powder, granules or spikes. Powder and granules should be applied over the exposed roots of the transplanted tree and spread over the newly dug hole. Spikes should be pushed into the root ball once the tree has been planted. Trees to be planted to same depth as previously prior to lifting at nursery. Deciduous trees to be staked with two 100 mm dia. treated softwood stakes pointed at one end. Stakes to be positioned either side of the rootball and driven into existing ground beneath tree pit 300mm min. Top of stakes to be approx 750mm above ground and fixed to tree with biodegradable tree ties eg Holdfast Biodegradable Tree Tie by Greentech. Base of tree to receive a 1metre diameter 75mm depth layer of coarse bark mulch to help suppress weeds. Allow for watering in to field capacity upon planting and then a second watering 48 hours later, and then regularly during establishment and dry spells.

Should there be any evidence of rabbits, perforated spiral guards 600mm ht should be added to the base of the trees. They must be perforated to allow ventilation and avoid necrosis of the bark.

SERVICES & TREE PIT EXCAVATIONS

Positions and depths of all drains & services, including any realigned services, on site should be established prior to any excavation works, and any potential conflict with proposed trees should be addressed, and trees realigned into positions to be agreed, or ribbed root directors/ barriers used (with rib facing inwards to tree roots) - to be agreed on site prior to planting. Tree pits to be carefully hand dug.

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MAINTENANCE & MANAGEMENT SPECIFICATION DURING ESTABLISHMENT PERIOD

In order to ensure the replacement trees, establish well and develop successfully into mature specimens, all new trees are to be regularly maintained by the resident, or their gardener as follows

Regular maintenance operations

Watering

Watering to be carried out regularly to field capacity. Probably in region of 30 litres.

If planted in dormant season Nov- March allow watering on planting, then 24-48 hours later. If the weather is dry, continue to water the trees to field capacity at least once or twice a week during dry spells.

If the trees are planted container grown during April to October -in addition to the initial two waterings, they will also need regular watering every 2 days if planted during a dry spell for the first month, then at least twice a week during dry spells during the rest of the summer/ growing season.

Weeding

The bases to the trees shall be kept weed free. Weeding should be carried out by hand, (not herbicides) on at least a monthly basis.

Checking & adjusting stakes and ties

On a monthly basis - checking that stakes are vertical and secure in the ground. Any leaning or loose stakes should be straightened or replaced with new. Rubber ties and spacers should be checked to ensure they are secure, but not so tight that they cause damage to the tree trunk. Any tight ties should be loosened/ re-adjusted as necessary to ensure healthy growth and avoidance of damage to the tree trunk

If rabbit guards have been installed, these should be checked to ensure they are still in place, and that as the trunk develops in girth, they do not cause any chaffing or damage to the bark. Any damaged guards should be replaced. After 5 years the guards could be removed

Firming up the trees

On monthly inspection any trees loosened by wind or frost heave or other ground disturbance, should be re- firmed, by tamping down the soil around the base of the trunk eg by foot, avoiding any damage to the trunks. Collars' at the base of the trunks created by tree movement shall be very carefully (to avoid any trunk/ bark damage) broken up by forking and backfilling with topsoil as necessary and re-firmed.

Formative Pruning

Formative pruning- only if required, should be carried out, to ensure a strong vertical central leader and a balanced head; this should be carried out using suitable pruning tools adequate for the size of cuts being made should be selected. Sharp tools shall be used at all times so that clean cuts will be made.

A pruning cut that removes a branch at its point of origin shall be made as close as possible to the branch collar without cutting into the branch collar or branch bark ridge or leaving a stub.

Formative pruning should be carried out outside of bird nesting season March to August inclusive

Annual Operations

The trees should receive an annual application of slow-release fertilizer in March/April - during years 1 to 3 to base of each tree eg Enmag at a rate of 25g/m²

Bark mulch should be topped up at least annually in early spring 1m diameter x 75mm depth around each tree to retain moisture and suppress weeds.

Readjustments to Tree Maintenance once trees are establishing

All above operations are to continue with following provisos:-

Watering operations can be reduced after year 2, as the roots establish, except under drought / very dry conditions when the trees may need watering at least once a week to field capacity.

During year 6 check the stability of the trees, and remove tree stakes and ties if trees seem self-supporting,

During year 6 any spiral rabbit guards should be removed

Canopy management of trees should be carried out to ensure a 1.8m clear stem and crown are maintained to assist natural surveillance and ensure trees retain their desired shape appropriate to each species. All tree works should be carried out in accordance with 3998: 2010 or latest edition, and outside the March to August Bird nesting season.

Unnecessary pruning of the trees should be avoided to ensure they reach their full amenity, biodiversity and mitigation value potential. Any necessary minor pruning works, or crown lifting to the trees once they are fully established should always be carried out by a qualified tree surgeon and outside the bird nesting season.

Tree replacements in accordance with LPA Planning Condition no 3

Any proposed trees that are removed, uprooted or destroyed or die or become severely damaged or diseased shall be replaced with similar size trees to those originally specified