

UCL Student Centre, Gordon Street

\\ 5 YEAR LANDSCAPE MANAGEMENT AND MAINTENANCE PLAN

Document Ref: L-1363-DOC-001

Document Status: Rev 01 For Planning

Introduction

Colour were commissioned by Nicholas Hare Architects in 2015 to develop hard and soft landscape proposals for the New Student Centre to UCL, located on Gordon Street, Camden.

This document is intended to provide guidance for the maintenance of the site over a five year period in order to ensure that the original design intentions and the quality of the scheme are preserved and communicated to those responsible for its long-term management.

Together with this document an NBS performance specification and five-year work programme provide a guide to the operations required and in order to set a benchmark for the quality of maintenance works.

As a working document this management plan should be reviewed annually to ensure that any new operations or changes to existing operations are incorporated within it for the following year.

As such this document could also be used to develop cost plans and staff work programmes.

Contents

- 1.0 Planting Strategy & General Maintenance Specification
- 2.0 5 year Work Programme for Maintenance Works

Appendices

- Appendix 1 Performance Specification for Maintenance Works
- Appendix 2 Reference / Guidance Documents

I. Planting Strategy & General Maintenance Specification

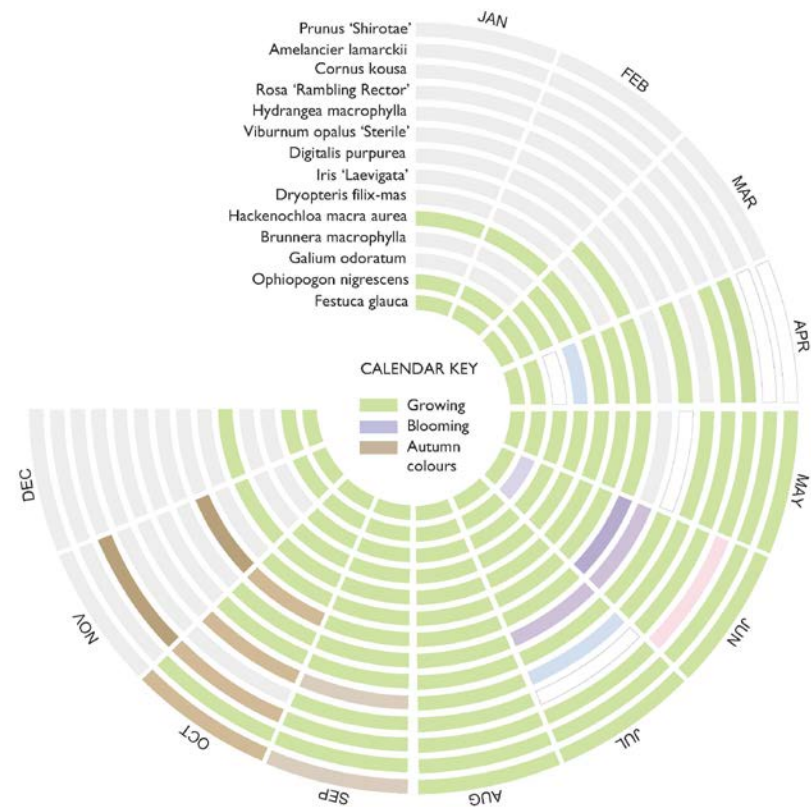
I.1. Planting Strategy

The overall strategy of the planting proposal is to celebrate seasonality in a Japanese way. Given the predominant shade conditions, Spring is the obvious season to celebrate. A simple colour palette is formed by the mixture of spring foliage and classic Japanese style grasses.

In the Japanese Garden, raised beds within the square are to be filled with pleasant texture, colour and scent. Two plant mixtures are selected for planting areas within full shade or partial shade.

Enriched Ornamental Planting

Botanical Name	Pot Size	Mix %	Density /m2
Asplenium scolopendrium	3L	15.00	6
Astrantia maxima	3L	8.00	6
Daphne laureola	3L	15.00	6
Deschampsia cespitosa 'Goldschleier'	3L	5.00	6
Digitalis purpurea 'Alba'	2L	8.00	6
Dryopteris filix-mas	3L	15.00	6
Festuca glauca 'Elijah Blue'	2L	8.00	6
Geranium 'Johnson's Blue'	3L	5.00	6
Geranium pratense	2L	5.00	6
Hakonechloa macra 'Aureola'	3L	8.00	6
Pulmonaria officinalis 'Sissinghurst White'	3L	8.00	6



Grass and spring flower

Botanical Name	Pot Size	Mix %	Density / m2
Brunnera macrophylla	2L	33.33	7
Galanthus nivalis 'Flore Pleno'	Topsize	33.33	25
Luzula sylvatica 'Marginata'	2L	33.33	7

The boundary raised planters allow for a better rootzone and potentially larger specimens. In some areas planting needs to retain the open aspect whilst in others they will either screen poor views or provide physical separation such along the North wall. The emphasis will be on flowering shrubs in simple colours.

Specimens

Botanical Name	Girth cm	Height cm	Specification
Amelanchier lamarckii	12-14	300-350	3x; HS; clear stem 175-200cm; 5 brks
Chimonobambusa marmorea		150-175	
Cornus Controversa 'Variegata'		150-175	
Cornus kousa chinensis	10-12	200-250	SS; clear stem 100-125cm; 5 brks
Prunus 'Shirotae'	12-14	350-425	3x; HS; clear stem 175-200cm; 5 brks
Carpinus betulus		125-150	Pre-grown 'Ready-hedge'
Fatsia Japonica		125-150	Multi-stem



Prunus 'Shirotae'



Hydrangea macrophylla



Rosa 'Rambling Rector'



Galium odoratum



Dryopteris filix-mas



Brunnera macrophylla



Digitalis purpurea



Clerodendron trichotoma



Hackenochloa macra aurea



Festuca glauca

1.2. General Maintenance Specification

Maintenance objectives

- Location: Roof gardens and access ways.
- Duration: Five years.
- Aims: Improved landscape visual amenity. Provide wildlife habitat and increase biodiversity.
- Restrictions: All works to be carried in an appropriate fashion for the daily running of an education and research establishment.
- Results: Adequate establishment in accordance with the scheme contract.

Notice

- Give notice before:
 - Application of herbicide.
 - Application of fertilizer.
 - Watering.
 - Each site maintenance visit.
 - Period of notice: 7 days.
- NOTE: Application of herbicides and fertilisers should be limited where practical to spot treatment or low intensity/ frequency.

Reinstatement (over the first 5 years for planting)

- Damage or disturbance to soil structure, planting, grass, fencing, hard landscaping, structures or buildings: Reinstatement to 'original condition'.
 - 'Original condition' extends to the species, diversity and where practicable, the age of habitats or species.
 - The need for reinstatement should be reported and reference made to detailed planting plans as a matter of course to ensure a like-for-like reinstatement is facilitated. Where replacement trees and/ or shrubs are required these should be of comparable age to those lost or being replaced to maintain landscape and ecological value.
 - Reinstated habitats should be subject to appropriate measures to ensure successful establishment and may include, but not be limited to, supplementary watering, exclusion fencing and additional monitoring.

Watering

- Supply: Potable mains water.
- Quantity: Wet full depth of topsoil.
- Application: Do not damage or loosen plants.
- Compacted soil: Loosen or scoop out, to direct water to rootzone.
- Frequency: As necessary for the continued thriving of all planting. To be checked weekly between Apr to Oct.

Disposal of arisings

- Unless specified otherwise, dispose of arisings as follows:
 - Biodegradable arisings: Remove to recycling facility
 - Shrub and tree prunings: Remove to recycling facility
 - Litter and nonbiodegradable arisings: Remove from site.

Chipping or shredding

- Not permitted on site.

Mechanical equipment

- General: Minimize.
- Prohibited equipment: None.
- Timing: Use of mechanical equipment allowed between the hours of 10:00 am and 4:00 pm only – to the approval of University academic staff

Litter

- Extraneous rubbish not arising from the contract work: Collect and remove from site.

Cleanliness

- Soil and arisings: Remove from hard surfaces.
- Leave the works in a clean, tidy condition at completion and after any maintenance operations.

Snow Clearance

- Clearance: On reaching a depth of 5 mm
- Deicing: To footpaths
 - Material: Rock salt to BS 3247
 - Timing: When freezing precipitation is forecast
 - Application rate: Spread evenly at a rate of as manufacturer's recommendations

Hard Surface and Greave Areas

- Herbicide: Apply a suitable foliar acting or residual herbicide. Allow recommended period for herbicide to take effect before clearing arisings.

- Hard surfaces: Remove litter, leaves and other debris.
- Surface gutters and channels: Remove mud, silt and debris.
- Drainage gullies: Empty traps and flush clean.
- Gravel areas: Rake over. Remove weeds, litter, leaves and debris, and level off.
- Repairs to flexible bituminous pavings: In accordance with the original paving specification or BS 7370-2, clause 4.12.
- Stain removal: In accordance with BS 7370-2, table 4.

For more maintenance details of flower beds, shrubs and trees, please refer to

Appendix I Performance Specification for Maintenance Works

2. 5 year Work Programme for Maintenance Works

Programme for Maintenance Works - UCL Gordon Street

L-1363-SCH-001

To be read in conjunction with: Landscape Specification – Q35 Landscape Maintenance 031- 51 - 0107- SP- L - 00Q 35 - XX
The site managers Health and Safety Plan

Item	Activity	Timing												Notes					
		Establishment Period																	
		Year One																	
		J	F	M	A	M	J	J	A	S	O	N	D	Year Two	Year Three	Year Four	Year Five		
Generally																			
1.1	Site Inspections																		Monthly by supervisor - any uncosted works identified in relation to repairs, replacement and/or site improvement to be approved in writing by client prior to implementation.
1.2	Maintenance Visits																		Weekly visits to be allowed through April to October. Fortnightly from November to March - to be carried out as required depending on operations/ time of year - inspections to determine work programme. Any amendments made to develop work programme to be approved by client prior to implementation.
1.3	Review of Maintenance Plan																		Annually - notify client of any amendments required
1.4	Responses	To complaints																	Respond to client within 24hrs of notification/ discovery24hrs
		To vandalism																	Respond to client within 24hrs of notification/ discovery24hrs
		To health and safety incidents																	Respond to client within 24hrs of notification/ discovery24hrs
Soft Landscaping																			
Generally																			
2.1	Review all areas on each site visit																		
2.2	Watering in drought periods																		Allow for fortnightly visits throughout Years 1 to 5, except weekly checking during growing season. Notify client when additional required
2.3	Weeding														As Year One				Allow for weekly visit during growing season of Year 1 & 2. Allow for fortnightly visits throughout from Year 3.
2.4	Firming in following wind-rock																		As required
2.5	Pest control																		As required
2.6	Removal of arisings																		Remove to recycling facility
2.7	Removal of litter																		Max time between visits 2 weeks
Shrubs																			
3.1	Removal of dead/ damaged plants and replacements																		As required in Q35
3.2	New shrub planting																	Review	Avoid extreme cold temperatures. Once per year in autumn.
3.3	Weeding and Cultivating																		As per Q35.500 / 645, every 2 weeks from April to Spetember
3.4	Pruning works																	Review	As per Q35.540/545/555/575/580
3.5	Fertilizing																		Slow release fertilisers be applied once during April or May
3.6	Remulching of shrub beds																		Annually as per Q35.690 and maintain 75mm depth. Using Fine Ornamental Grade Composted Pine Bark Mulch as Q28.155
Flower Beds																			
4.1	Dead-heading																		Spring/early summer flowering species to be pruned mid May. Late flowering species should be allowed to stand and provide winter food source for birds to be cut right down in Febuary/March
4.1	Removal of dead/ damaged planting																	Review	As required as per Q35.620/635 to appropriate size and in the next available planting season.
4.3	New planting																	Review	As required
4.4	Remulching of planting beds																	As Year One	Annually as per Q35.690 and maintain 75mm depth. Using Fine Ornamental Grade Composted Pine Bark Mulch as Q28.155
4.5	Lifting and Dividing																Review	Review	Once established, no sooner than Year 3 grasses and herbaceous perennials can be lifted, divided and replanted to ensure growth vigour and where necessary gap up planting beds

Appendix I Performance Specification for Maintenance Works

Q35 Landscape maintenance

To be read with Preliminaries/ General conditions.

GENERALLY

105 MAINTENANCE OBJECTIVES

- Location: Roof gardens and access ways.
 - Duration: Five years.
- Aims: Improved landscape visual amenity and Provide wildlife habitat and increase biodiversity.
- Restrictions: All works to be carried in an appropriate fashion for the daily running of an education and research establishment.
- Results: Adequate establishment in accordance with the scheme contract.

110A NOTICE

- Give notice before:
 - Application of herbicide.
 - Application of fertilizer.
 - Watering.
 - Each site maintenance visit.
 - Period of notice: 7 days.
- NOTE: Application of herbicides and fertilisers should be limited where practical to spot treatment or low intensity/ frequency.

130A REINSTATEMENT

- Damage or disturbance to soil structure, planting, grass, fencing, hard landscaping, structures or buildings: Reinstate to original condition.
 - 'Original condition' extends to the species, diversity and where practicable, the age of habitats or species.
 - The need for reinstatement should be reported and reference made to detailed planting plans as a matter of course to ensure a like-for-like reinstatement is facilitated. Where replacement trees and/ or shrubs are required these should be of comparable age to those lost or being replaced to maintain landscape and ecological value.
 - Reinstated habitats should be subject to appropriate measures to ensure successful establishment and may include, but not be limited to, supplementary watering, exclusion fencing and additional monitoring.

155A WATERING

- Supply: Potable mains water.
- Quantity: Wet full depth of topsoil .
- Application: Do not damage or loosen plants.
- Compacted soil: Loosen or scoop out, to direct water to rootzone.
- Frequency: As necessary for the continued thriving of all planting. To be checked weekly between Apr and Oct

160 WATER RESTRICTIONS

- General: If water supply is, or is likely to be, restricted by emergency legislation, submit proposals for an alternative suitable source of water. Obtain instructions before proceeding.

170 DISPOSAL OF ARISINGS

- General: Unless specified otherwise, dispose of arisings as follows:
 - Biodegradable arisings: Remove to recycling facility.
 - Grass cuttings: -.
 - Tree roots and stumps: -.
 - Shrub and tree prunings: Remove to recycling facility.
 - Litter and nonbiodegradable arisings: Remove from site.

180 CHIPPING OR SHREDDING

- General: Not permitted on site.

181 MECHANICAL EQUIPMENT

- General: Minimize.
- Prohibited equipment: -.
- Timing: Use of mechanical equipment allowed between the hours of 10:00 am and 4:00 pm only.

190 LITTER

- Extraneous rubbish not arising from the contract work: Collect and remove from site.

197 CLEANLINESS

- Soil and arisings: Remove from hard surfaces.
- General: Leave the works in a clean, tidy condition at completion and after any maintenance operations.

FLOWER BEDS/ SEASONAL BEDDINGS

460 BEDS OF PERENNIALS OR PERENNIALS AND ANNUALS

- Plant supports: Stake and tie plants using -
 - Length: -.
 - Maintain throughout the growing season.
- Gaps in planting: Refill by replanting.
- Watering:
 - New plants: Before and after planting out.
 - Ongoing: As necessary for the continued thriving of all planting.
- Operations at end of growing season:
 - Trim: Older flowering stems of herbaceous perennials.
 - Remove: Redundant plant supports, litter, debris and arisings.
 - Cultivate: Fork over the soil, taking care not to cause undue disturbance to plants.
 - Top dress: Apply -.

470 FLOWER BEDS GENERALLY

- Operations:
 - Remove: Dead flower heads, fallen leaves, litter and debris.
 - Weeds: Thoroughly hand weed.
 - Cultivate: Lightly hoe.
 - Trim: Clip grass edges.
- Fungicide: -.
- Insecticide: -.

SHRUBS/TREES/HEDGES**500A ESTABLISHMENT OF NEW PLANTING**

- Duration: Five years.
- Weed control:
 - Method: Keep planting beds clear of weeds by hoeing and screening .
 - Area: Maintain a weed free area around each tree and shrub, minimum 1m diameter or the surface of the original planting pit.
- Soil condition: Fork over beds to keep soil loose, with gentle cambers and no hollows. Do not reduce depth or effect of mulch.
- Watering: As necessary to achieve successful plant establishment.

515 TREE GUY WIRES

- Inspection/ Maintenance times: Immediately after strong winds.
- Operations:
 - Replace or resecure loose or missing guy wires.
 - Adjust to suit stem growth and to provide correct and uniform tension.
- Removal: At the end of the maintenance period.

520 REFIRMING OF TREES AND SHRUBS

- Timing: After strong winds, frost heave and other disturbances.
- Refirming: Tread around the base until firmly bedded.
- Collars in soil at base of tree stems, created by tree movement: Break up by fork, avoiding damage to roots. Backfill with topsoil and refirm.

540 PRUNING GENERALLY

- Pruning: In accordance with good horticultural and arboricultural practice.
 - Removing branches: Do not damage or tear the stem or bark.
 - Wounds: Keep as small as possible and cut cleanly back to sound wood.
 - Cutting: Make cuts above and sloping away from an outward facing healthy bud, angled so that water will not collect on cut area.
 - Larger branches: Prune neither flush nor leaving a stub, but using the branch bark ridge or branch collar as a pruning guide.
- Appearance: Thin, trim and shape each specimen appropriately to species, location, season, and stage of growth, leaving a well balanced natural appearance.
- Tools: Use clean sharp secateurs, hand saws or other approved tools. Trim off ragged edges of bark or wood with a sharp knife.
- Disease or infection: Give notice if detected.
- Growth retardants, fungicide or pruning sealant: Do not use unless instructed.

545 PRUNING OF EXCESSIVE OVERHANG

- Timing: Annually.
- Operations: Remove growth encroaching onto grassed areas, paths, roads, signs, sightlines and road lighting luminaires.
- Special requirements: Allow ground cover plants to partially overlap paths and lawns.

555 PRUNING TREES AND SHRUBS

- Standard: To BS 7370-4.
- Special requirements: None.

570 FORMATIVE PRUNING OF YOUNG TREES

- Standard: Type and timing of pruning operations to suit the plant species.
- Time of year: Do not prune during the late winter/ early spring sap flow period.
- Young trees up to 4 m high:
 - Crown prune by removing dead branches and reducing selected side branches by one third to preserve a well balanced head and ensure the development of a single strong leader.
 - Remove duplicated branches and potentially weak or tight forks. In each case cut back to live wood.
- Whips or feathered trees: Do not prune.
- Operatives: Member of the Arboricultural Association.

575 PRUNING ORNAMENTAL SHRUBS

- General: Prune to encourage healthy and bushy growth and desirable ornamental features, e.g. flowers, fruit, autumn colour, stem colour.
- Suckers: Remove by cutting back level with the source stem or root.

580 PRUNING FLOWERING SPECIES OF SHRUBS AND ROSES

- Time of year:
 - Winter flowering shrubs: Spring.
 - Shrubs flowering between March and July: Immediately after the flowering period.
 - Shrubs flowering between July and October: Back to old wood in winter.
 - Rose bushes: Early spring to encourage basal growths and a balanced, compact habit.

600 TRIMMING RAPIDLY ESTABLISHING HEDGES

- General: Allow to reach planned height as rapidly as possible.
 - Form: Trim back lateral branches moderately.

611 TRIMMING NONTAPERING ESTABLISHED HEDGES

- Time of year: Regular trimming from June to September.
- Operations:
 - Form: Trim carefully and neatly to regular line and shape with vertical sides.
 - Trim: Remove current growth rather than old wood.
- Tools/ Cutting: Suitable mechanical cutters.

620 REMOVAL OF DEAD PLANT MATERIAL

- Operations: At the end of the growing season, check all shrubs and remove all dead foliage, dead wood, and broken or damaged branches and stems.

635 REINSTATEMENT OF SHRUB/ HERBACEOUS AREAS

- Dead and damaged plants: Remove.
- Mulch/ matting materials:
 - Carefully move to one side and dig over the soil, leaving it fit for replanting.
 - Do not disturb roots of adjacent plants.
- Replacement plants:
 - Use pits and plants: To original specification or to match the size of adjacent or nearby plants of the same species, whichever is the greater.
 - Additional requirements: None.
- Dressing: Slow release fertilizer:
 - Type: -.
 - Application rate: -.

645 WEED CONTROL GENERALLY

- Weed tolerance: Weed to clear ground every two weeks from April through to September.
- Adjacent plants, trees and grass: Do not damage.

- 650 HAND WEEDING
- General: Remove weeds entirely, including roots.
 - Disturbance: Remove the minimum quantity of soil, and disturb plants, bulbs and mulched surfaces as little as possible.
 - Completion: Rake area to a neat, clean condition.
 - Mulch: Reinststate to original depth.
- 657 HERBICIDE TO KILL REGROWTH
- Type: Suitable foliar acting herbicide to kill regrowth.
 - Timing: Allow recommended period for herbicide to take effect before clearing dead weeds.
- 680 SOIL AERATION
- Compacted soil surfaces:
 - Prick up: To aerate the soil of root areas and break surface crust.
 - Size of lumps: Reduce to crumb and level off.
 - Damage: Do not damage plants and their roots.
- 685 SOIL LEVEL ADJUSTMENT
- Level of soil/mulch at edges of beds: Reduce to 50 mm below adjacent grass or hard surface.
 - Arisings (if any): Spread evenly over the bed.
- 690A MAINTENANCE OF LOOSE MULCH
- Thickness (minimum): 75 mm.
 - Top up: Annually.
 - Type: Fine Ornamental Grade Composted Pine Bark Mulch as Q28.155
 - Mulch spill on adjacent areas: Remove weeds and rubbish and return to planted area.
 - Weeding: Remove weeds growing on or in mulch by hand weeding.
- 695 FERTILIZING ESTABLISHED TREES AND SHRUBS
- Time of year: During April or May.
 - Type of fertilizer: Slow release.
 - Application: Spread evenly.
 - Rate: As manufacturer's recommendations.
- 700 SNOW REMOVAL FROM SHRUBS/ TREES
- Standard: To BS 7370-4.
 - Plants subject to snow removal: All evergreens.
 - Timing: Within 24 hours of snowfall.
- 705 WINTER LEAF REMOVAL
- Operations: Take down temporary leaf fences. Collect accumulations of drifted leaves from the vicinity and from planting beds.
 - Arisings: Remove to recycling facility.

TREE WORK**810 TREE WORK GENERALLY**

- Identification: Before starting work agree which trees, shrubs and hedges are to be removed or pruned.
- Protection: Avoid damage to neighbouring trees, plants and property.
- Standards: To BS 3998 and Health & Safety Executive (HSE) 'Forestry and arboriculture safety leaflets'.
- Removing branches: Cut as Arboricultural Association Leaflet 'Mature tree management'. Cut vertical branches similarly, with no more slope on the cut surface than is necessary to shed rainwater.
- Appearance: Leave trees with a well balanced natural appearance.
- Chain saw work: Operatives must hold a Certificate of Competence.
- Tree work: To be carried out by an approved member of the Arboricultural Association.

815 ADDITIONAL WORK

- Defective, diseased, unsafe or weak parts of trees additional to those scheduled for attention: Give notice if detected.

820 PREVENTION OF WOUND BLEEDING

- Standard: To BS 3998, clause 8.

825 PREVENTION OF DISEASE TRANSMISSION

- Standard: To BS 3998, clause 9 and Appendix B.

830 CLEANING OUT AND DEADWOODING

- Remove:
 - Dead, dying, or diseased wood, broken branches and stubs.
 - Fungal growths and fruiting bodies.
 - Rubbish, wind blown or accumulated in branch forks.
 - Wires, clamps, boards and metal objects, if removable without causing further damage and not part of a support structure that is to be retained.
 - Other unwanted objects, e.g. tree houses, swings.
 - Climbing plants -.

835 CUTTING AND PRUNING GENERALLY

- Tools: Appropriate, well maintained and sharp.
- Final pruning cuts:
 - Chainsaws: Do not use on branches of less than 50 mm diameter.
 - Hand saws: Form a smooth cut surface.
 - Anvil type secateurs: Do not use.
- Removing branches: Do not damage or tear the stem.
- Wounds: Keep as small as possible, cut cleanly back to sound wood leaving a smooth surface, and angled so that water will not collect on the cut area.
- Cutting: Cut at a fork or at the main stem to avoid stumps wherever possible.
Large branches: Remove only if unavoidable.
 - Remove in small sections and lower to ground with ropes and slings.
- Dead branches and stubs: When removing, do not cut into live wood.
- Unsafe branches: Remove epicormic shoots and potentially weak forks that could fail in adverse weather conditions.
- Disease or fungus: Give notice if detected. Do not apply fungicide or sealant unless instructed.

855 CUTTING TREE ROOTS

- Excavating: Use hand tools only.
- Protected area: Do not cut roots within an area which is the larger of:
 - The branch spread of the tree.
 - An area with a radius of half the tree's height, measured from the trunk.
- Outside protected area: Give notice of roots exceeding 50 mm in diameter. Do not cut without approval.
- Cutting:
 - Cutting: Make clean smooth cuts with a hand saw.
 - Wounds: Minimize. Avoid ragged edges.
 - Finishing: Pare cut surfaces smooth with a sharp knife.
- Backfilling:
 - Protection: Cover cut roots with clean sharp sand.
 - Material: Backfill with original topsoil.

865 BARK DAMAGE

- Wounds:
 - Do not attempt to stop sap bleeding.
 - Bark: Remove ragged edges using a sharp knife.
 - Wood: Remove splintered wood from deep wounds.
 - Size: Keep wounds as small as possible.
- Liquid or flux oozing from apparently healthy bark: Give notice.

HARD LANDSCAPE AREAS/FENCING**900 SNOW CLEARANCE**

- Clearance: On reaching a depth of 5 mm.
- Deicing: To footpaths.
 - Material: Rock salt to BS 3247.
 - Timing: When freezing precipitation is forecast.
 - Application rate: Spread evenly at a rate of As manufacturer's recommendations.

910 HARD SURFACES AND GRAVEL AREAS

- Herbicide: Apply a suitable foliar acting or residual herbicide. Allow recommended period for herbicide to take effect before clearing arisings.
- Hard surfaces: Remove litter, leaves and other debris.
- Surface gutters and channels: Remove mud, silt and debris.
- Drainage gullies: Empty traps and flush clean.
- Gravel areas: Rake over. Remove weeds, litter, leaves and debris, and level off.
- Repairs to flexible bituminous pavings: In accordance with the original paving specification or BS 7370-2, clause 4.12.
- Stain removal: In accordance with BS 7370-2, table 4.

Appendix 2: References

“A Guide to Producing Park and Green Space Management Plans”,cabespace, April 2014

<http://webarchive.nationalarchives.gov.uk/20110118095356/http://www.cabe.org.uk/publications/producing-parks-and-green-space-management-plans>

“Parks for People : 10-Year Management and Maintenance Plan Guidance”, Heritage Lottery Fund

“Making parks work for wildlife: how to encourage biodiversity in urban parks” cabespace 2006