RICHMOND UPON THAMES COLLEGE LANDSCAPE MANAGEMENT PLAN



Version control

Date	Version	Ву
04.06.16	V1 Outline planning application	JB
07.07.16	V1.1 Reserved Matters application	ML
02.02.17	V2 Discharge of conditions	ML
24.03.17	V3 Reserved Matters application update	ML
18.05.17	V4 Reserved Matters Sports Building addendum	ML
04.04.18	V5 Updated GAs	ML

BACKGROUND

INTRODUCTION

This document is prepared on behalf of Richmond Upon
Thames College in support of the external hard and soft
landscape proposals relating to the Main College Building
(Phase 1) & the Sports Centre (Phase 2). The document will be
used for reserved matters application pertaining to landscape
management.

The landscape management boundary for the development is indicated in <u>Figure 1 Landscape Management Plan Boundary</u>.

The document sets out the guidelines for the first 7 years maintenance following installation of hard landscape, soft landscape and street furniture.

SCHEME DESCRIPTION

The development comprises the following management zones as shown on <u>Figure 2 Landscape Management</u> <u>Zones</u>:

- Clipped Hedges
- Hedgerow woodland understorey
- Amenity shrubs and ground cover
- · Grass lawn area
- Allotments
- Hard surface
- Green roof

Further details can be found in LUC Hardworks and Softworks drawings (6377.201 & 6377.401 for Phase 1, and 6377.231 & 6377.431 for Phase 2) which are appended for reference.

All external areas will be lit and a separate watering ring main is installed with hose connection points around the site.

WATER SUPPLY

Irrigation will be carried out manually with hosepipe connection to the site watering ring main, connecting into hose valve boxes. All components, bar the hose are handed over to the developer by the contractor on completion of the development.

MANAGEMENT RESPONSIBILITIES AND STAFFING REGIMES

Management organisations, roles and responsibilities etc. will be set out in the operations & maintenance manual. Typically the grounds team have overall responsibility for the maintenance and management of the site on behalf of the college. The caretaking staffs, based on site will carry out basic maintenance as noted.

On completion of the development the external maintenance will be under the construction contractor's responsibility whilst the works are under the defects rectification period. This period will include replacements

of defective planting at the Contractor's expense or replacement of vandalised planting at the developer's expense.

A maintenance activity schedule is provided later in this document outlining the required activities and approximate frequency of visits which will be resourced by the college.

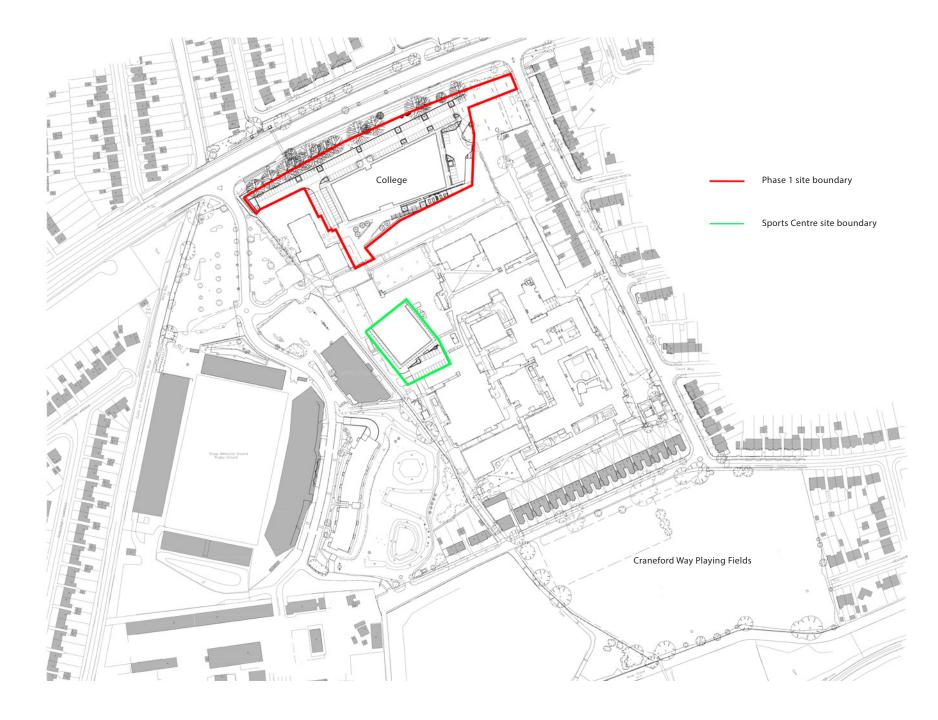
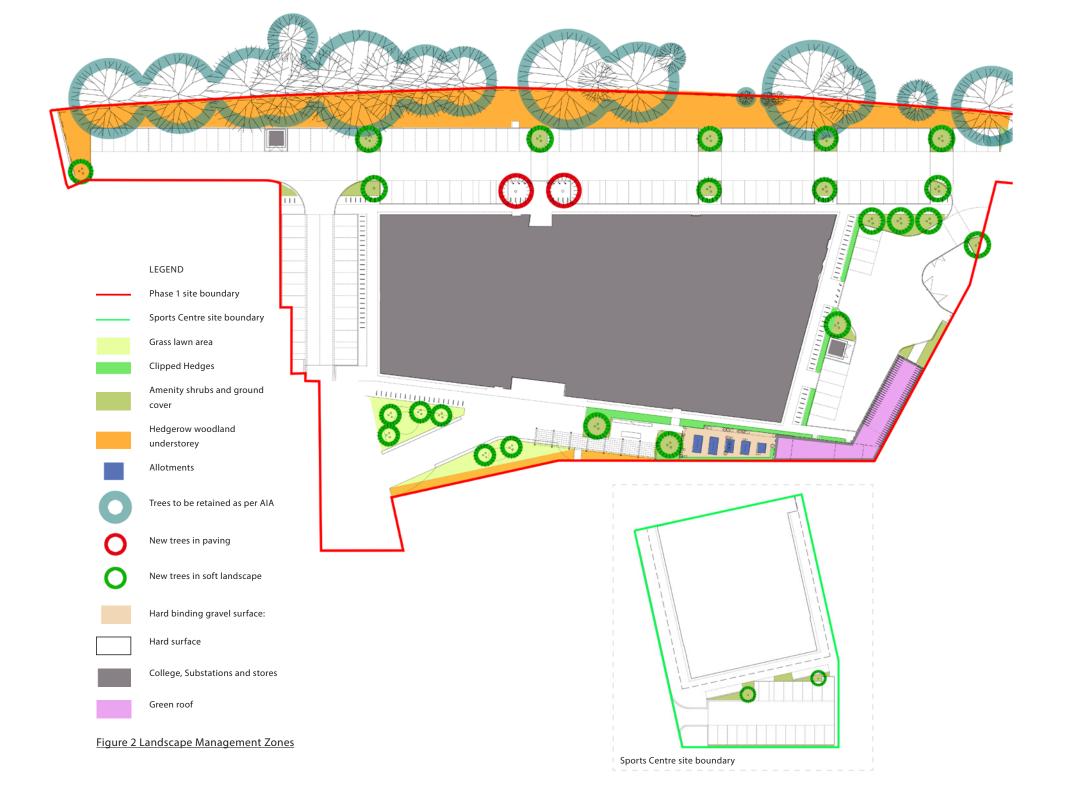


Figure 1 Landscape Management Plan Boundary



MANAGEMENT OBJECTIVES

The following summarises the key objectives for each of the management zones shown on Figure 2.

HEDGES

Hedges are used on site to create enclosure – to the supported learning garden and around the service yard. These are native, evergreen vegetation, providing ecological benefit whilst keeping clear views over the top. Hedges are managed to provide a dense, healthy screen throughout the year and requires annual trimming and removal / cutting back of top heavy stems, feeding and regular watering.

HEDGEROW WOODLAND UNDERSTOREY

The northern boundary of the site acts as a buffer, screening traffic noise from Chertsey Road. Existing mature trees are retained and underplanted en-masse with a native hedgerow woodland mix providing ecological benefit.

The planting will comprise of woodland plants (1+1), individually hand dug pit-planted with soil ameliorants added to backill soil, mulch mats and shelters as shown in the image below.



There are three groups: - Woodland; Woodland understorey; & Understorey edge. This method avoids wholesale cultivation within existing RPZs.

The boundary planting will be managed as a low-maintenance woodland edge. Thinning will be undertaken on a 3 year basis or as required. Strimming between tree shelters will be undertaken twice during the first three years of establishment. Thereafter a seasonal application of mulch will be carried out.

AMENITY SHRUBS AND GROUND COVER

Large blocks of planting creating boundaries between pedestrian and vehicular areas, between parking bays and providing moderate ornamental value. Planting is mixed evergreen / deciduous shrub and herbaceous and requires relatively intense horticultural management, particularly to ensure that perennial planting is kept vigorous and flowering abundantly by regular dividing, thinning, weeding and feeding.

GRASS LAWN AREA

The mounded lawn at the front plaza of the college is designed for sitting out and so needs regular mowing during the growing period as well as feeding, weeding and regular watering.

ALLOTMENTS

Timber allotment planters are provided empty for the college's use, and are not included in the regular maintenance activities. Weeding, feeding, watering etc. is the responsibility of the students and is part of the curriculum.

HARD BINDING GRAVEL

Self-compacting Breedon Gravel is applied to the semiprivate allotment garden space. It should be maintained to a high quality, even surface finish. Regular inspection and sweeping will be required to maintain a clean, even surface with minimal obstruction to drainage outlets. Any depressions will require top-up from a suitable stockpile location.

HARD SURFACE

All hard surfaces are to be maintained as a safe and clean, high quality pavement. Paving should be checked during maintenance inspections for deviations and settlement. Drainage is direct to below-surface attenuation crates, therefore maintenance of drainage is limited to localised cleaning of outlet gullies, slot drains and Permavoid collection chambers.

Litter bins are provided across the site, both in public and private areas and are used collectively for all inorganic and organic waste. These will be emptied daily, or as required by the management company.

MANAGEMENT OBJECTIVES

GREEN ROOF

The sedum blanket roof on top of the pumphouse & cycle store requires maintenance of drainage outlets and edges at the perimeter for debris &/or litter. Plants should be checked for failure, replacement cuttings and substrate if required. Weed removal and fertiliser application should be undertaken.

Maintenance is relatively low - two visits in the first year, and one visit per year thereafter.

TREE PLANTING

Tree planting is illustrated in <u>Figure 3 Tree Pit Detail in paving</u> and <u>Figure 4 Tree Pit Detail in Soft</u>.

2No. Trees in paving are semi-mature specimens upwards of 50-60cm girth and therefore require close monitoring, particularly in the first years to prevent costly replacement.

Trees will be planted in compacted soil and regularly watered (watering / aeration pipe) and fed with liquid fertiliser as required.

Multi-stemmed silver birch will be planted at 4.5-5m in soft landscape. These will also require regular watering.

Tree planting is illustrated in <u>Figure 3 Tree Pit Detail in paving</u> and <u>Figure 4 Tree Pit Detail in Soft</u>.

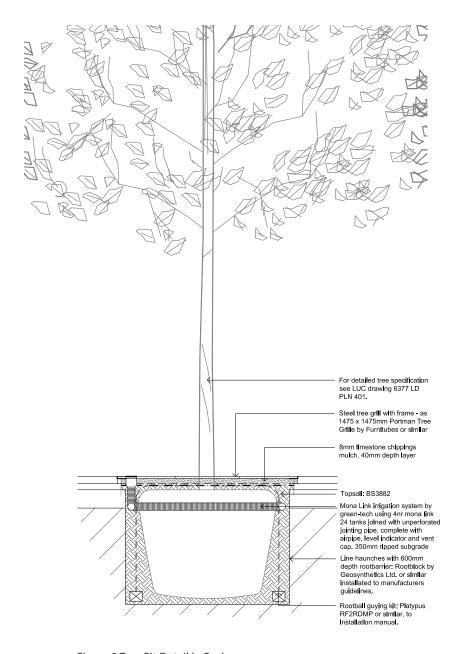


Figure 3 Tree Pit Detail in Paving

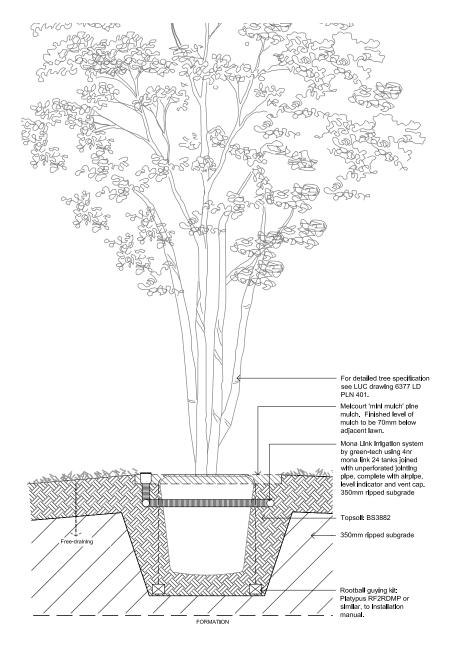


Figure 4 Tree Pit Detail in Soft

MAINTENANCE SCHEDULE

#	Item	Performance Standard	Freq	Nr	Unit
	SOFT LANDSCAPE				
Α	Lawn			226	m²
A1	Cut amenity grass	Maintain to max height 60mm throughout growing season - arisings remain.	20	226	m²
A2	Trim edges	March - October throughout the growing season.	20	100	m
А3	Leaf clearance	October - January. Assume clearance necessary over 50%.	4	108	m²
A4	Litter clearance	Collecting litter and disposing per week.	52	226	m²
В	Bulbs			66	
B1	Cut bulbs	Maintain to max height 75mm during September, removing arisings.	1	66	m²
B2	Litter clearance	Collecting litter and disposing.	52	66	m ²
С	Hedgerow woodland understory 50%			692	
C1	Strimming	March - September x 1 per month.	7	692	m ²
C2	Apply fertiliser	May/ June	1	692	m ²
C3	Cutting back to control growth out of beds	Nov	1	692	m²
C4	Litter clearance	Collecting litter and disposing per week.	52	692	m²
C5	Watering	March - September.	24	692	m²
C6	Upkeep of tree guards & mats	As required. Check tree guards and refirm / replace if necessary.	1	692	m²
C7	Beat-up	As required. Replace unsuccessful plants in September/ at the end of growing season in the first 3 years.	0.3	692	m²
C8	Thinning & Coppicing	As required after the first 3 years of establishment.	1	692	m²

#	Item	Performance Standard	Freq	Nr	Unit
D	Amenity Shrub & Ground Cover 50%			148	
D1	Hand weeding	March - September x 1 per month.	7	148	m²
D2	Apply fertiliser	May - June	1	148	m ²
D3	Cutting back	Nov	1	148	m²
D4	Split and replant, 20% per year	March	1	30	m²
D5	Litter clearance	Collecting litter and disposing per week.	52	148	m²
D6	Watering	March - September.	96	148	m²
Е	New Trees			25	
E1	Specimen trees in paving	Watering, pruning, checking and repair to accessories, ties etc.	1	2	nr
E2	Trees in landscape	Watering, pruning, checking and repair to accessories, ties etc.	1	25	nr
E3	Watering of young trees	As required, daily during establishment	365	27	nr
F	Clipped Hedges			87	
F1	Cut hedge by hand	October. Side faces vertical and top horizontal or parallel to the ground. Arisings removed.	1	87	m²
F2	Maintain hedge base	May - September. Hand hoe to open hedge base where planted.	5	87	m²
F3	Litter clearance	Collecting litter and disposing per week.	52	87	m²

#	Item	Performance Standard	Freq	Nr	Unit
	HARD				
	LANDSCAPE				
G	Paved areas			6063	
G1	Leaf clearance self-propelled motorised vacuum and disposal	October - January x 4 per month	16	6063	m²
G2	Snow and ice clearance	Snow - 20 - 40mm deep, manual removal and then salt.	5	6063	m²
G3	Litter clearance using self- propelled motorised vacuum or rotary brush sweeper	Collecting litter and disposing per week.	52	6063	m²
G4	Herbicide application to weeds	May - September. Spot treatment.	3	6063	m ²
Н	Self-binding gravel areas			70	
H1	Litter clearance	Collecting litter and disposing per week.	52	70	m²
H2	Herbicide application to weeds	May - September. Spot treatment.	3	70	m²

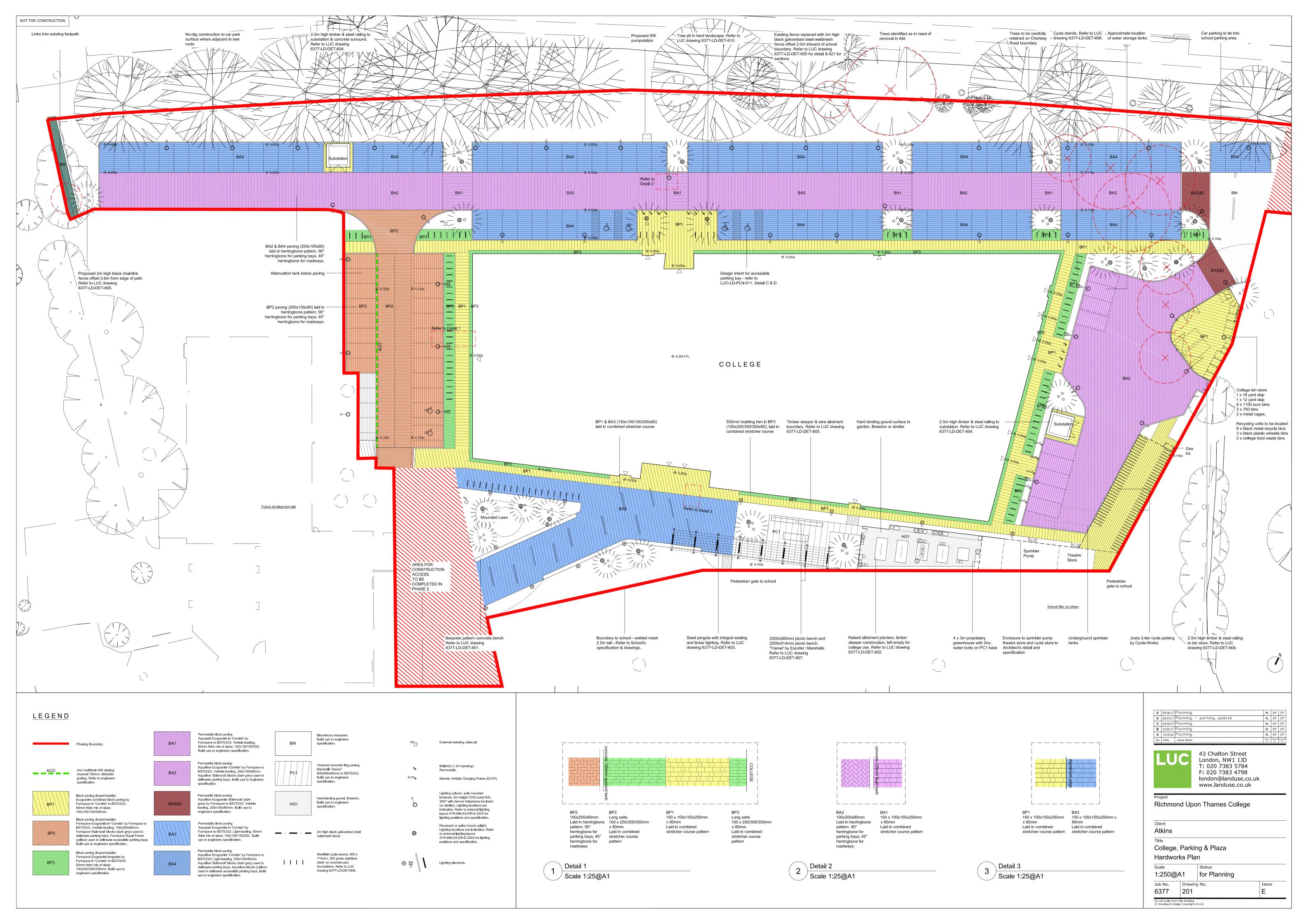
#	Item	Performance Standard	Freq	Nr	Unit
	SITE FIXTURES				
- 1	Benches			20	
l1	Clean and treat	Once every three years - provisional sum.	0.3	3	nr
J	Litter bins			6	
J1	Emptying, disposal and keep clean		364	0	nr
J2	Clean and treat	Once every three years - provisional sum.	0.3	0	nr
К	External Lighting			240	
K1	Inspection	Inspect for damage, once per month.	12	0	nr
K2	Clean and repair	As required	0.3	0	nr
L	Green Roof				
L1	Check drainage outlets / plant module structure	Remove debris, leaf litter etc. Two visits within first year (spring & autumn). One visit per year after.	2	212	m²
L2	Replace area of settled substrate	Two visits within first year (spring & autumn). One visit per year after.	2	212	m²
L3	Replace failed plants with sedum cuttings	Two visits within first year (spring & autumn). One visit per year after.	2	212	m²
L4	Hand weeding	Two visits within first year (spring & autumn). One visit per year after.	2	212	m²
L5	Fertiliser application	Two visits within first year (spring & autumn). One visit per year after.	2	212	m²

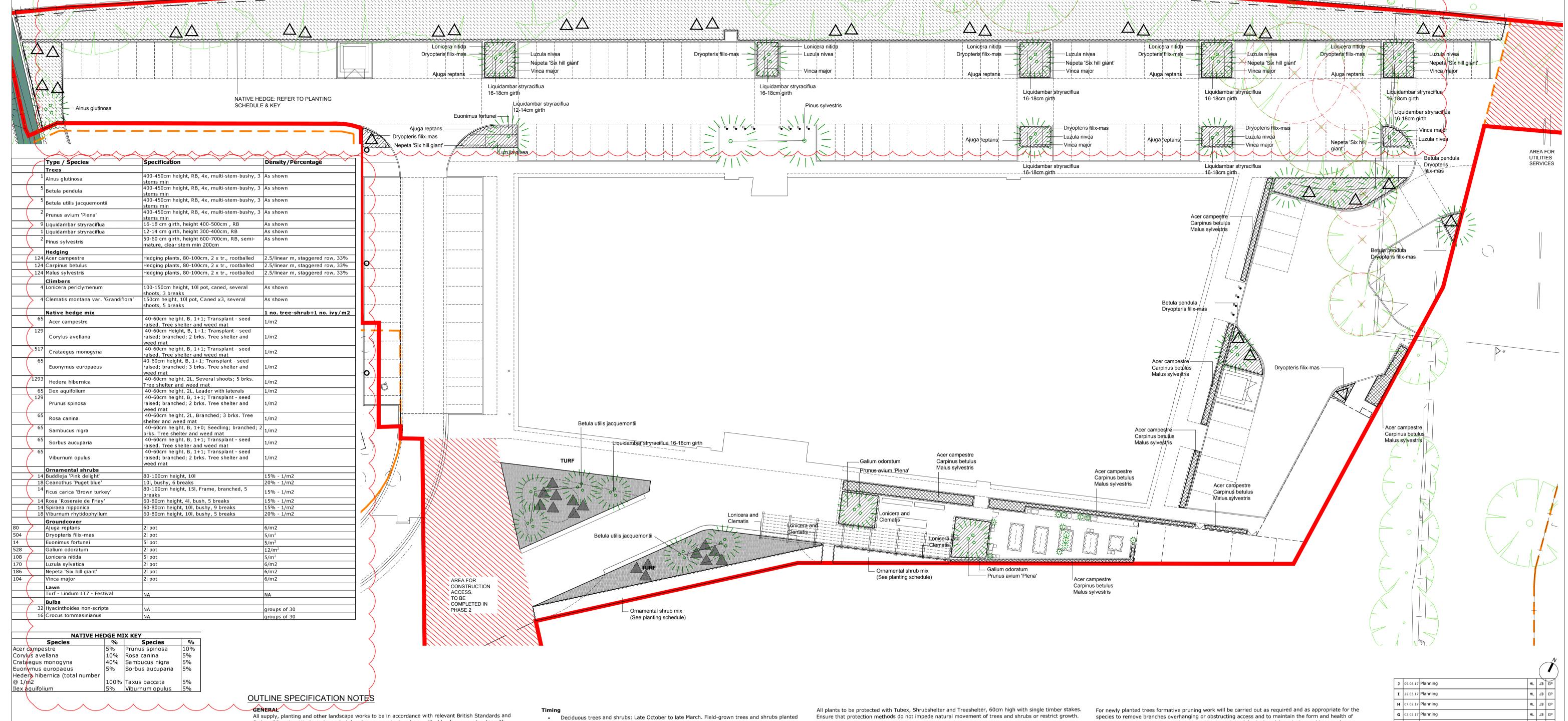
APPENDICES

LUC DRAWINGS

To be read in conjunction with the following drawings:

- 6377-201 Phase 1 Hardworks
- 6377-401 Phase 1 Planting
- 6377-231 Sports Building Hardworks
- 6377-431 Sports Building Planting





LEGEND

Existing trees retained Existing trees removed

Proposed trees

Refer to LUC tree pit details 6377_LD_DET_610 **Proposed multistem trees**

Refer to LUC tree pit details 6377_LD_DET_610 Proposed hedges

Proposed climbers Geotextile fabric and natural stone chipping mulch

Proposed native hedge mix 1 tree-shrub and 1 ivy / m2, pits 450x450x450mm with mulch mat and tree tube

Proposed groundcover Geotextile fabric and bark mulch



Proposed bulbs (Hyacinthoides) Proposed bulbs (Crocus)

Codes of Practice. Works to be undertaken by a competent and accredited landscape contractor with 12months Defects Liability/ in contract maintenance. Following that maintenance works shall be undertaken in accordance with the Landscape Management Plan, LUC 2016.

Soil to be free of pests, disease, fungus and foreign matter.

Do not use topsoil contaminated with subsoil, rubbish or other materials that are corrosive, explosive, flammable, hazardous to human or animal life or detrimental to healthy plant growth. The Contractor shall appoint a suitably qualified and approved, independent Soil Scientist to undertake the sampling and testing of the soil materials considered for importation. An approved Soil Scientist is: Tim O'Hare Associates LLP, Howbery Park, Wallingford, Oxon, OX10 8BA,

Tel: 01491 822653, www.toha.co.uk Subsoil to be in accordance with BS 3882 'Specification for topsoil'. For trees planted in hard landscape a load bearing growing medium will be necessary. This will be Urban tree planting medium, Grade: 0.6-2 mm.

Green compost for soil amelioration to be incorporated into soil for tree and shrub planting to be in accordance with BSi PAS 100:2011 or current revision and sourced from a PAS 100 compliant facility. Fertilizer to be incorporated into soil for tree and shrub planting: Scotts Enmag CRF (11%N:22%P2O5:9%K2O:6%MgO). Prepare undisturbed topsoil in accordance with BS 4428 'Code of Practice for general landscape operations': Break up hard ground thoroughly, remove visible roots and large stones with a diameter

greater than 50 mm, dig areas covered with turf over to full depth of topsoil and treat weeds at

appropriate times with a suitable translocated non-residual herbicide. Prepare subsoil by excavating/placing fill to the required profiles, loosening thoroughly when ground conditions are reasonably dry to a depth of 450mm and removing stones larger than 50mm, arisings, contaminants, debris and builders' rubble. Spread topsoil in layers of layers of 150 mm maximum depth and gently firm each layer before spreading

the next. After spreading topsoil, when weather and ground conditions are suitably dry and non-plastic, the soil profile shall be ripped at 300mm centres to a minimum depth of 300mm (grass areas) or 600mm (shrub beds, hedges) to decompact the soils and key in the topsoil and subsoil layers. Any large, compacted lumps of soil shall be broken down by further appropriate cultivation (in accordance with BS 4428) to produce a fine tilth suitable for planting (<30mm), turfing and seeding (<10mm). Cultivations shall

ensure that the topsoil is fully aerated. In order to avoid physical degradation to the soil during all phases of soil handling (e.g. spreading, cultivation, amelioration, planting, turfing and seeding), soil handling operations shall be carried out when soil is non-plastic (friable) in consistency (i.e. at least 5% below the soil's lower plastic limit). Soil shall not be unnecessarily compacted by trampling or trafficking by site machinery or handled when frozen or during and after heavy rainfall.

out of season to be spring-ringed at nursery. Conifers and evergreens: September/ October or April/ May. Herbaceous plants: September/ October or March/ April.

• Container grown plants: At any time if ground and weather conditions are favourable. Provide watering and weed control as necessary.

• Dried bulbs, corms and tubers: September/ October.

establishing landscape plants'.

All planting to be carried out in accordance with BS 4428 and during suitable weather conditions. Do not use mechanical tools within 100 mm of tree and plant stems. Water as necessary to ensure establishment and continued thriving of planting.

Plants to be materially undamaged, sturdy, healthy and vigorous specimen, of good shape and without

elongated shoots, grown in a suitable environment and hardened off and free from pests, diseases, discoloration, weeds and physiological disorders. Plant standard to BS 3936 'Nursery stock'. Name, forms, dimensions, provenance and other criteria as scheduled and defined in the National Plant Specification. Plant handling shall be in accordance with HTA 'Handling and

Turf to be healthy, vigorous grass sward, free from the visible effects of pests, weeds and disease to BS 3969 'Recommendations for Turf for general purposes'. Turf shall be laid in accordance with BS 4428 'Code of Practice for general landscape operations'.

Geotextile fabric to all beds to be laid before planting. Cut flaps neatly for planting and refit closely around plant stems. Mulch with Melcourt Mini Pine Mulch, 60mm depth. Finished level of mulch to be 30 mm below adjacent grassed or paved areas.

Planting bed depth to be 450mm minimum. Geotextile fabric to all hedges beds to be laid before planting. Cut flaps neatly for planting and refit closely around plant stems. Mulch with Melcourt Mini Pine Mulch, Finished level of mulch to be 30 mm below adjacent grassed or paved areas.

All native hedge planting to be undertaken in accordance with BS 8545 'Trees from nursery to independence in the landscape. Recommendations' Tree pits to be excavated in grass to be 450x450x450mm. Backfill with ameliorant (1 m³ per 10 m³ of topsoil) and fertilizer as specified.

Tubex 500x500mm biodegradable hessian mulch mats to be installed to each pit with galvanised steel

Climbers and ornamental shrubs

Planting bed depth to be 450mm minimum. Geotextile fabric to all hedges beds to be laid before planting. Cut flaps neatly for planting and refit closely around plant stems. Mulch with Melcourt Mini Pine Mulch, 60mm depth. Finished level of mulch to be 30 mm below adjacent grassed area. Shrubs to be grouped by 3 to form irregular 'natural' layout.

All tree planting to be undertaken in accordance with BS 5837 'Trees in relation to design, demolition and construction. Recommendations' and BS 8545 'Trees from nursery to independence in the landscape.

For detail of tree pit including root barrier, guying system and aeration and irrigation pipe refer to LUC drawing 6377-LD-DET-610. Trees in hard landscape to be planted in load bearing growing medium as specified with tree grilles (Furnitubes - Portman steel). Semimature trees to be root prepared and transplanted to BS 4043 'Recommendations for transplanting

root-balled trees'. All standard trees to be secured with 2 no. stake. Stakes to be 50mm diameter softwood, peeled chestnut, larch or oak, straight, free from projections and large or edge knots and with pointed lower end with nails to BS 1202.

All multistem tree to be secured using Platypus rootball anchoring kits. Backfill with ameliorant (1 m³ per 10 m³ of topsoil) and fertilizer as specified. Mulch with Melcourt Mini Pine mulch. Finished level of mulch to be 70 mm below adjacent grassed or

paved areas.

For general soft landscape maintenance - including native hedge, hedges, groundcover, climbers and lawn - refer to LUC Landscape Management Plan.

Newly planted trees across the site will need to be watered regularly by hand during establishment i.e. for 3 years after planting. Soil around the base of trees in grass will be kept clear of weeds.

Stakes/ties/ guys will be inspected and maintained in good order, adjusted and repaired where necessary to prevent rubbing of bark and removed when no longer required. Trees will be visually inspected on routine maintenance visits for damage and general safety and security issues. Damaged branches will be removed from both tree and ground promptly to minimise damage to the tree and danger/obstruction to users of the site.

the tree. All pruning to be carried out by a Member of the Arboricultural Association and in accordance with BS 7370 'Grounds maintenance. Recommendations for maintenance of soft landscape'.



Native hedge tree shelters and weed mat

F 09.12.16 Planning ML JB EP ML JB EP E 08.08.16 Update to planting schedule AS JB EP **D** 21.07.16 Update to planting schedule c | 14.07.16 | Update to notes JB JB EP B 05.07.16 Pergola amended, ornamental shrub planting AS JB EP A 15.06.16 First issue Iss Date Issue Notes



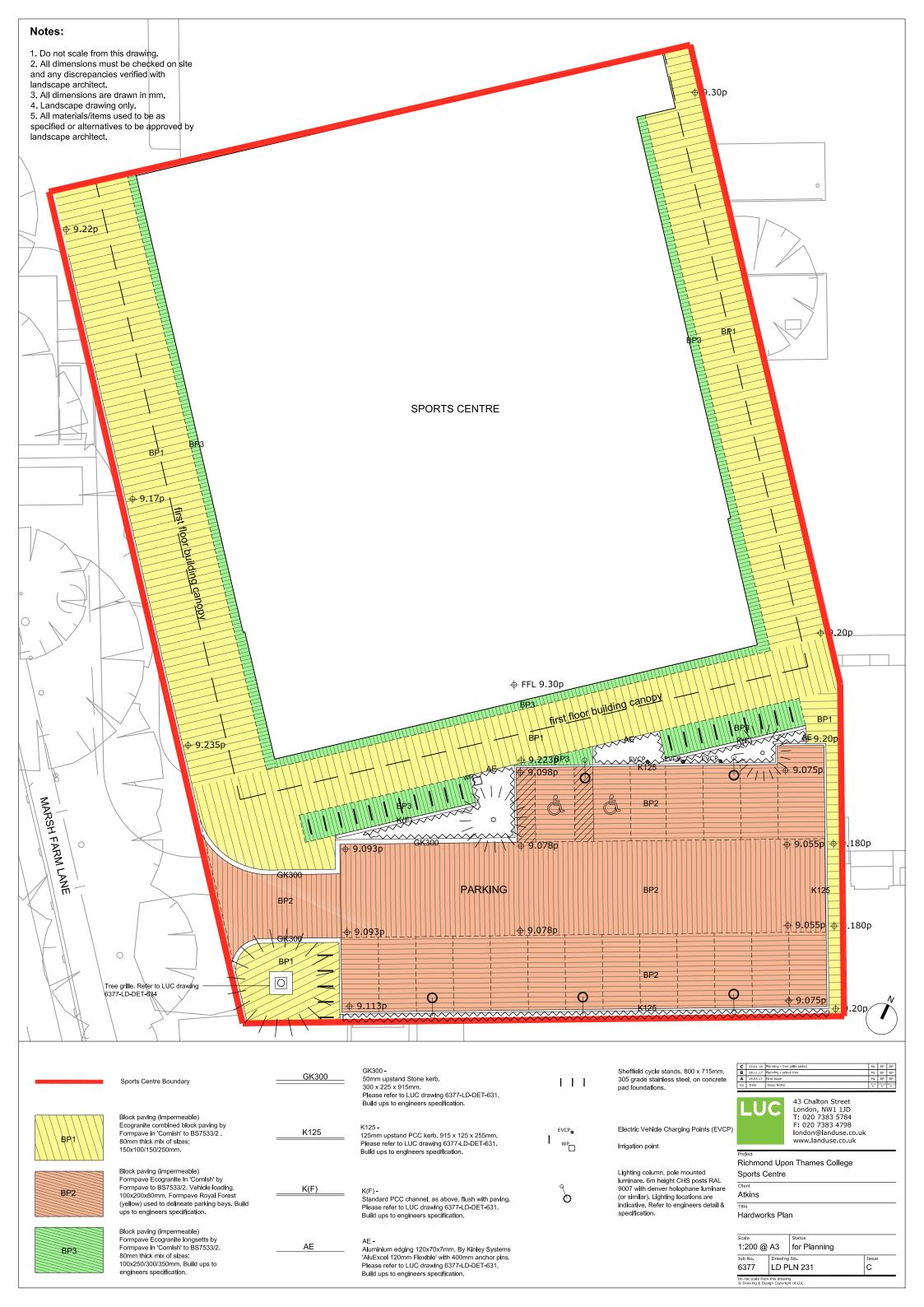
43 Chalton Street London, NW1 1JD T: 020 7383 5784 F: 020 7383 4798 london@landuse.co.uk www.landuse.co.uk

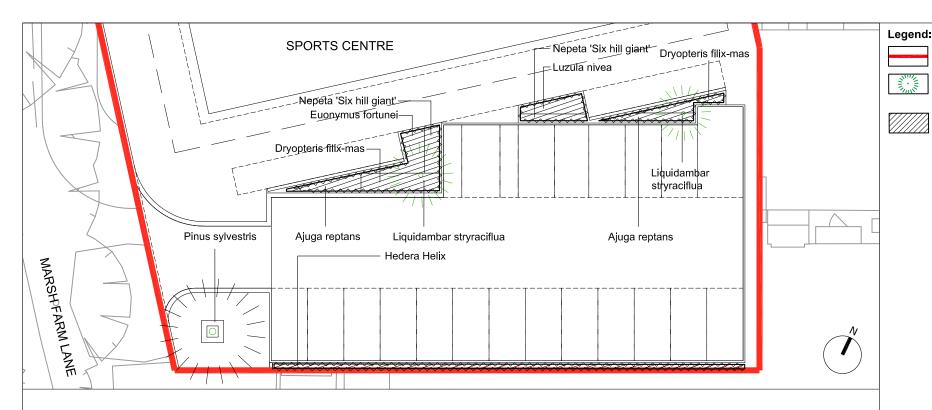
Richmond Upon Thames College Phase 1

Atkins

Soft Landscape

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SCHEDULE

	Type / Species	Specification	Density/Percentage	
	Trees			
	2 Liquidambar stryraciflua	12-14 cm girth, height 300-400cm, RB	As shown	
	1 Pinus sylvestris	50-60 cm girth, height 600-700cm, RB, semi- mature, clear stem min 200cm	As shown	
	Groundcover			
35	Ajuga reptans	2l pot	6/m2	
43	Dryopteris filix-mas	2l pot	5/m ²	
23	Euonimus fortunei	5l pot	5/m ²	
90	Hedera helix	1L pot	10/m2	
23	Luzula nivea	2l pot	6/m2	
30	Nepeta 'Six hill giant'	2l pot	6/m2	

OUTLINE SPECIFICATION NOTES

All supply, planting and other landscape works to be in accordance with relevant British Standards and Codes of Practice. Works to be undertaken by a competent and accredited landscape contractor with 12months Defects Liability/ in contract maintenance. Following that maintenance works shall be undertaken in accordance with the Landscape Management Plan, LUC 2016.

PLANTING METHODOLOGY

SoilSoil to be free of pests, disease, fungus and foreign matter.

Do not use topsoil contaminated with subsoil, rubbish or other materials that are corrosive, explosive, flammable, hazardous to human or animal life or detrimental to healthy plant growth. The Contractor shall appoint a suitably qualified and approved, independent Soil Scientist to undertake the sampling and testing of the soil materials considered for importation. An approved Soil Scientist is: Tim O'Hare Associates LLP, Howbery Park, Wallingford, Oxon, OX10 8BA, Tel: 01491 822653, www.toha.co.uk

Subsoil to be in accordance with BS 3882 'Specification for topsoil'. For trees planted in hard landscape a load bearing growing medium will be necessary. This will be Urban tree planting medium, Grade: 0.6-2 mm.

Green compost for soil amelioration to be incorporated into soil for tree and shrub planting to be in accordance with BSI PAS 100:2011 or current revision and sourced from a PAS 100

Fertilizer to be incorporated into soil for tree and shrub planting: Scotts Enmag CRF (11%N:22%P2O5:9%K2O:6%MgO).

Prepare undisturbed topsoil in accordance with BS 4428 'Code of Practice for general landscape operations': Break up hard ground thoroughly, remove visible roots and large stones with a diameter greater than 50 mm, dig areas covered with turf over to full depth of topsoil and treat weeds at appropriate times with a suitable translocated non-residual herbicide. Prepare subsoil by excavating/placing fill to the required profiles, loosening thoroughly when ground conditions are reasonably dry to a depth of 450mm and removing stones larger than

50mm, arisings, contaminants, debris and builders' rubble.

Spread topsoil in layers of layers of 150 mm maximum depth and gently firm each layer before spreading the next.

After spreading topsoll, when weather and ground conditions are sultably dry and non-plastic, the soil profile shall be ripped at 300mm centres to a minimum depth of 300mm (grass areas) or 600mm (shrub beds, hedges) to decompact the soils and key in the topsoil and subsoil layers. Any large, compacted lumps of soil shall be broken down by further appropriate cultivation (in accordance with BS 4428) to produce a fine tilth suitable for planting (<30mm), turfing and seeding (<10mm). Cultivations shall ensure that the topsoil is fully aerated

In order to avoid physical degradation to the soil during all phases of soil handling (e.g. spreading, cultivation, amelioration, planting, turfing and seeding), soil handling operations shall be carried out when soil is non-plastic (friable) in consistency (i.e. at least 5% below the soil's lower plastic limit). Soil shall not be unnecessarily compacted by trampling or trafficking by site machinery or handled when frozen or during and after heavy rainfall.

Timing

- Deciduous trees and shrubs: Late October to late March. Field-grown trees and shrubs planted out of season to be spring-ringed at nursery.
- Conifers and evergreens: September/ October or April/ May Herbaceous plants: September/ October or March/ April.
- Container grown plants: At any time if ground and weather conditions are favourable. Provide watering and weed control as necessary.
- Dried bulbs, corms and tubers: September/ October.

All planting to be carried out in accordance with BS 4428 and during suitable weather conditions. Do not use mechanical tools within 100 mm of tree and plant stems. Water as necessary to ensure establishment and continued thriving of planting.

Plants to be materially undamaged, sturdy, healthy and vigorous specimen, of good shape and without elongated shoots, grown in a suitable environment and hardened off and free from pests, diseases, discoloration, weeds and physiological disorders. Plant standard to

BS 3936 'Nursery stock'. Name, forms, dimensions, provenance and other criteria as scheduled and defined in the National Plant Specification. Plant handling shall be in accordance with HTA 'Handling and establishing landscape plants'.

Geotextile fabric to all beds to be laid before planting. Cut flaps neatly for planting and refit closely around plant stems. Mulch with Melcourt Mini Pine Mulch, 60mm depth. Finished level of mulch to be 30 mm below adjacent grassed or paved areas.

Ornamental shrubs

the landscape, Recommendations',

Planting bed depth to be 450mm minimum, Geotextile fabric to all hedges beds to be laid before planting. Cut flaps neatly for planting and refit closely around plant stems, Mulch with Melcourt Mini Pine Mulch, 60mm depth. Finished level of mulch to be 30 mm below adjacent grassed area. Shrubs to be grouped by 3 to form irregular 'natural' layout.

All tree planting to be undertaken in accordance with BS 5837 'Trees in relation to design, demolition and construction. Recommendations' and BS 8545 'Trees from nursery to independence in

For detail of tree pit including root barrier, guying system and aeration and irrigation pipe refer to LUC drawing 6377-LD-DET-634. Semimature trees to be root prepared and transplanted to BS

All standard trees to be secured with 2 no. stake. Stakes to be 50mm diameter softwood, peeled chestnut, larch or oak, straight, free from projections and large or edge knots and with pointed lower end with nails to BS 1202.

Backfill with ameliorant (1 m³ per 10 m³ of topsoil) and fertilizer as specified.

Mulch with Melcourt Mini Pine mulch, Finished level of mulch to be 70 mm below adjacent grassed or paved areas,

MAINTENANCE

For general soft landscape maintenance - including native hedge, hedges, groundcover, climbers and lawn - refer to LUC Landscape Management Plan.

Newly planted trees across the site will need to be watered regularly by hand during

establishment i.e. for 3 years after planting.

Soll around the base of trees in grass will be kept clear of weeds.

Stakes/ties/ guys will be inspected and maintained in good order, adjusted and repaired where necessary to prevent rubbing of bark and removed when no longer required.

Trees will be visually inspected on routine maintenance visits for damage and general safety and security issues. Damaged branches will be removed from both tree and ground promptly to minimise damage to the tree and danger/obstruction to users of the site.

For newly planted trees formative pruning work will be carried out as required and as appropriate for the species to remove branches overhanging or obstructing access and to maintain the form and health of the tree. All pruning to be carried out by a Member of the Arboricultural Association and in accordance with BS 7370 'Grounds maintenance. Recommendations for maintenance of soft landscape'.

Notes:

- 1. Do not scale from this drawing.
- All dimensions must be checked on site and any discrepancies verified with landscape architect.

Sports Centre Boundary

Proposed groundcover

Proposed trees Refer to LUC tree pit detail 6377_LD_DET_634

- 3. All dimensions are drawn in mm.
- 4. Landscape drawing only
- 5. All materials/items used to be as specified or alternatives to be approved by landscape architect.

D	04.04.18	Planning - amended planting	ML	EP	EP
С	29.01.18	Planning - amended planting	ML	EP	EP
В	08.11.17	Planning - added tree	ML	EP	EP
Α	18.05.17	First Issue	ML	EP	EP
Iss	Date	Issue Notes	Drawn 5e	Checked 59	Approve By



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Richmond Upon Thames College Sports Centre

Atkins

Soft Landscape

Scale		Status	
1:250 @	А3	for Planning	
Job No.	Drawing	No.	Issue
6377	LD P	LN 431	D