LANDARB SOLUTIONS

Ref: LAS_368 Date: 04.05.2022

Site: POS Airfield Park, Phase 2, Heyford Park

Arboricultural Statement

Introduction

LandArb Solutions has been instructed to prepare a tree re-survey and arboricultural statement to accompany an application to re-discharge Condition 6 attached to approved Reserved Matters 14/01366/REM.

Background

Condition 6 of RM approval (14/01366/REM) required details of two public open spaces to be submitted and approved in writing by the LPA.

Details relating to drainage of the 5 aside pitch and the public open space were discharged in October 2017 under 17/00434/DISC. The approved public open space plan (drawing BIR.4322_21 Rev I dated 25.08.17) and 5 a side pitch drainage plan (drawing 17010 01/1 dated 13.12.16) are shown in Appendix 1.

The applicant is intending to implement the approved public open space details. However, concerns were raised with regard to which trees are to be retained. This is partly because tree condition has changed since the details were approved, some have died, but also it appears there are more trees on site than shown on the approved landscape plan, making it difficult to be certain as to which trees are retained or removed.

Landarb Solutions have been commissioned to undertake a tree re-survey to identify all the existing trees at the Airfield Park public open space and prepare an Arb Statement to accompany an application to re-discharge Condition 6 with a revised public open space plan that makes clear which trees are to be retained or removed and the implication of POS designs on the tree resource.

Tree re-survey

LandArb Solutions visited the site on 21.02.22 to carry out the tree re-survey.

A copy of the tree survey schedule and tree survey plan is shown in Appendix 2. Site photographs are shown in Appendix 3.

The site comprises derelict and disturbed land with an attenuation basin in the northern part.

Centrally to the site (south of attenuation basin) are several mature trees. There are two mature pine (T6 and T12), two dead pine trees (G7, two ash trees (T9 and T11) which appear to be in poor condition and a mature sycamore (T10) again which appears low quality.

The southern boundary of the site comprises a close board fence with young self-set sycamore and ash stems growing along it (G1) that appear as pioneer growth due to lack of management.

On the western boundary is a chain link fence with multiple young to early mature self-set multi-stemmed sycamore and some ash (T2, T3, T4 and G13). Stems are growing around and between the chain-link fence. They appear self-set having grown as a result of lack of management / derelict nature of the site. Set just inside the western boundary s a large mature pine tree (T14).

On the eastern boundary of the site is self-set multiple young to semi mature ash stems (G8) with fragmented ash, hawthorn, ivy and elm scrub (G5).

The north part of the site is free of trees. There are some off site mature trees and self-set scrub and small trees along the north-western boundary behind a chain-link fence.

Statutory protection

A review of Cherwell District Council's online GIS maps shows that the site is in a Conservation Area but none of the trees within nor adjacent to it are subject to a TPO.

Development Proposals

The site has approval under 14/01366/REM), for which details required as part of condition 6 were approved under 17/00434/DISC, to be re-purposed as public open space including creating a new 5 aside sports pitch.

A revised public open space plan is shown in in Appendix 4. The purpose has been to make it clear trees to be retained and removed.

The revised public open space plan has been overlaid with the tree survey and a tree retention/loss and protection plan is shown in appendix 5.

Arboricultural Implications of public open space proposals

Tree Retention/Loss

As shown on the Tree Retention/Loss and Protection Plan, G1 – T14 are shown to be removed.

T14 will need to be removed due to its location in the footprint to the 5 aside pitch. It is also noted that the previously approved POS plan (see appendix 1) does not show T14 as a retained tree. But due to its location in the footprint to the 5 aside pitch as well as the alignment of the proposed drainage run, T14 would need to be removed if implementing the previously approved plans.

G1, T2, T3, G4, G8 and G13 are a mix of young to early manure self-set sycamore and has (along with some other minor species), located along the perimeter of the site. Many stems are within and growing around the boundary fences. G5 and G8 are clearly shown as trees to be remove don the previously approved POS plan. However, T2, T3, G4 and G13 are not clearly shown on the previous POS plan. It is proposed to remove and replace the current boundary fencing with a new close board fence. This would require the removal of T2, T3, G4 and G13 to enable removal of the existing dilapidated fences and installation of new fence. In addition, given that these groups and trees are self-set with appearance of having grown up due to lack of management at the site (derelict), they would also need to be removed to give clearance around the edge of the new 5 aside sports pitch. None of the trees are considered to be significant and can be replaced by new tree planting that is also set out on the proposed (and previously approved) POS plans.

T6, G7, T9, T10, T11 and T12 are shown as trees retained on the previous approved POS plan. The applicants construction team have advised that there is a spoil heap and contamination on site that needs to be removed. They have advised that under the s106 agreement there is a requirement for all contaminated soil and levels to be dropped/removed from site. This includes removing the soil that is in the RPAs of these trees. These trees would need to be removed to enable the ground works for the removal of the soil and contamination from site as excavations would sever and destroy existing roots.

In terms of impact of the loss of T6, G7, T9, T10, T11 and T12 it is important to note the current condition of these trees. G7 comprises two pine trees, both of which are dead therefore removal would be recommended regardless of proposals. T9 and T11 are both mature ash trees with very thin crowns, poor structural condition and appear to be in irreversible decline. These again would be recommended for removal regardless of development. T10 is a heavily ivy clad sycamore with thinning crown. It is assessed as low quality therefore should not be viewed as a constraint to development. Given its condition, it is considered that it could be replaced with new tree planting. T6 and T12 are mature pine that are assessed as moderate quality and generally should be retained. However, notwithstanding a requirement to removal contaminated soil from site, it is noted that the proposed drainage of the sports pitch to the existing attenuation pond passes next to the stem therefore the tree would need to be removed for this. In any case even if no development was proposed/approved, if the other trees are removed due to condition, the loss of companion shelter may reduce their long term retention value by an increased risk of storm damage and windthrow. T6 and T12 could only be retained if existing ground levels can be retained, which as discussed above it has been advised that the levels cannot be retained due to requirement to remove contaminated soil from site.

Government guidance on tree works in a conservation area (Paragraph: 134 Reference ID: 36-134-20140306) states "An authority may treat a <u>planning application for development</u> in a <u>conservation area</u> that includes specified tree work as a section 211 notice if the applicant has clearly stated that it should be considered as such".

For the avoidance of doubt, the applicant intends to remove G1, T2, T3, G4, G5, T6, G7, G8, T9, T10, T11, T12, G13 and T14 as part of implementation of phase 2 POS scheme and this is to be treated a notice of intent under s211 of the TCPA.

New tree planting

To compensate for tree loss, the revised POS plan includes additional tree planting compared to the previously approved POS plan. The previous POS plan proposed 24 new trees and revised proposals include 35 new trees.

Tree works

No major tree work will be required. However, to enable the removal of an existing chain-link and replacement with new close board fence, overhanging vegetation and branches from off-site trees on north-western boundary will need to be pruned back / lifted to ensure at least 1.5m clearance of the fence.

Tree Protection

Given all existing trees within the POS are to be removed, requirement of tree protection would only relate to off-site trees on the north-western boundary where their RPAs extend into the site.

Tree Protection fencing is shown where the RPA of a large off site beech tree is to be protected. Fencing would be needed during the ground works phase to the south as a precaution. However, the fencing would need to be removed to allow for installation of the new close board fence to replace the existing chain link fence and to allow ground preparation for seeding wildflower meadow. Works in this area should be carried out using hand tools only.

Appendix 1: Previously Approved POS Plan and drainage

KEY Existing trees to be retained Root protection areas shown as circular dashed line if known. Existing trees to be removed Root protection areas for existing trees Refer to latest Pegasus Arboricultural survey D.0341_37J for further details. Soft landscape proposals Refer to plant schedule for details. Grass/Areas of turf Rolawn medalion turf to front gardens, with an amenity grass seed mix to informal areas. Mown footpath 1.5m mown footpath through meadow grassland. Balancing Pond Dog bin Specification to be agreed. Estate railings 1.2m high To Local Authority approved specification. Estate railings, in black as supplied by Jackson's Fencing or similar approved. Estate railing maintenance access gate To Local Authority approved specification. Estate railing gate, 3.0m wide in black as supplied by Jackson's Fencing or similar approved. **5-A-SIDE SCHEDULE** A9 'General Outfield' grass seed mix - to football pitch Grass seed forms a resilent surface of sports outfields. A9 General Outfield grass seed mix as supplied by Germinal Seeds Amenity or similar approved. White lining The pitch is marked with lines 8cm wide. Lines should preferably be coloured white or yellow. The pitch is divided into two halves by the halfway line. The centre mark is positioned at the mid point of the halfway line. A circle with a radius of 3.0m is marked around it. The penalty area for each goal is formed by a semi-circle of radius 6m measured from the midpoint of the goal line. The penalty mark should be 6m from the mid point between the goal posts and equidistant from them. Corner arcs should be marked as quarter circles of radius 25cm from each corner of the pitch drawn inside the pitch. Goal posts BX/DC 2960/76L-PAK1 Locking Heavyweight Socketed Mini Soccer Goals Package (pair of goals) as supplied by Broxap/Stadia Sports. Goals should be certified as complying with BS 8462. Specification for Goals for Youth Football, Futsal, Mini-soccer and Small-Sided Football and they should be purchased, installed and maintained in accordance with BS 8461: Football Goals - Code of Practice for their procurement, installation, maintenance, storage and inspection. 38 No. ACECAM-.25 No. CORSA 25 No. CORAV LAP PLAY AREA SCHEDULE 62 No. CRAMON 25 No. ILEAQ 38 No. PRUSP Litter bin 13 No. ROSCA Ref: TydeLB 'Tydeman' litter bin as supplied by Orchard Street Furniture or similar approved. 25 No. VIBOP LAP Rolled gravel/hoggin footpath 50mm rolled hoggin surface on 100mm type 1 sub base. Block edged. WHERE FOOTPATH CONFLICTS WITH ROOT PROTECTION AREA OF TREE THE FOOTPATH CONSTRUCTION MUST BE OF 'NO DIG' AND LAP Play Equipment Images ABOVE EXISTING GROUND LEVEL. Play area signage Possible location for play area signage. Sign to be supplied and erected stating that the play area is a 'Dog Free' zone and any other information required. Exact wording to be agreed with the Local Planning Authority. 1% Gradient Proposed 1.0m high bow top railings Direction of gradier To Local Authority approved specification. Bow top railings as supplied by Jacksons Fencing or similar approved. Chicane detail to play area entrances. Proposed self-closing access gates To Local Authority approved specification. Bow top gate 1.0m high and 1.0m wide as supplied by Easy-gate or similar approved. Yellow RAL colour with self-closing mechanism. 'No Dog' paving slab Paving slabs at entrances by Paragon ref: 6120-186 or similar approved product. 1. Chain-linked Train Bench seat Playo Chain-linked Train (5590790) Playo Coxes seat, 1.8m length with arm rests as supplied by Orchard Street Furniture or similar approved. Seat range, as supplied by Eibe play Ltd to be installed with submerged fixing set in concrete footings to manufacturers specification. 5 -A-side Football Pitch Play enrichment: Fantasy, social, relaxing To Sport England's Natural Turf for Sport Guidance Play equipment schedule (LAP) Age range: 3+ Years (Dimensions 27.45 x 18.30m) 1. Plavo chain-linked train Train, Playo range as supplied by Eibe play Ltd 2. Wip-Wap Seesaw (NAT103) Timber Nature range (with seats) as supplied by Kompan. All play equipment and layout proposals to be specified in accordance with the requirements set out under BS EN 1176 and the Disability Discrimination Act. Following the agreement of play equipment and the general arrangement the selected manufacturer's details will be submitted to the local council for approval along with the finalised proposals and accompanying certificates and details. Rubber mulch safety surfacing Brown rubber mulch surfacing to reduce wear and tear to top of mound. Play manufacturers to detail in accordance with EN 1176. Surfacing as supplied by Ecosurface or similar approved. 2. Wip Wap Seesaw FINAL LEVELS AND DRAINAGE TO BE CONFIRMED BY PROJECT DRAINAGE CONSULTANT Seesaw (NAT103), Timber Nature range, as **IMPLEMENTATION AND MAINTENANCE GUIDELINES** supplied by Kompan Play enrichment: Rocking, social, interaction 1.0 GENERAL All plants shall conform to BS 3936 and be in accordance with the National Plant Specification. Supplying nurseries shall be registered under the HTA Nursery Certification Scheme. All plants shall be packed and transported in accordance with the Code of Practice for Plant Handling as produced by CPSE. Planting shall not be carried out when the ground is waterlogged, frostbound or during periods of cold drying winds. All bare root stock shall be root dipped in an approved water-retaining polymer. Turfing operations shall be in accordance with BS 4428. If the formation level is compacted it should be ripped through before topsoiling. Whole turves shall be laid around the perimeter of the area to be turfed. The central area shall be laid in rows Recommended topsoil depths are 300mm for shrubs and 150mm for grass. with staggered joints, well butted together, working from planks positioned on turves already laid. The turf shall be watered on completion. Any unevenness shall be made good by lifting the turf and adjusting the levels. 2.0 ORNAMENTAL SHRUBS AND TREES Should shrinkage occur, fine topsoil shall be brushed into the joints. Ground Preparation Seeding Where necessary treat existing weeds with a glyphosate based herbicide and allow a suitable period as recommended Grass seed shall be sown in April during calm weather and not when the ground is frost bound or waterlogged. by the manufacturer for this to take effect. A general purpose slow release fertiliser at the rate of 75gm/m2 and Tree Seed shall be sown in two equal sowings in transverse directions at 35 g/m2. After sowing the contractor shall Planting and Mulching Compost at the rate of 20litres/m2 are to be incorporated into the top 150mm of topsoil during lightly rake the seed into intimate contact with the soil. Wild flowers final cultivations. All extraneous matter such as plastic, wood, metal and stones greater than 50mm in any dimension Achillea millefolium shall be removed from site. 4.5 Centaurea nigra Common Knapweed 2 When newly seeded and turfed areas reach 50mm they should be lightly rolled and cut to a height of 30mm. All BS8545:2014 Trees: from nursery to independence in the landscape - Recommendations. Tree planting operations and Daucus carota Wild Carrot arisings shall be removed. Any bare patches shall be made good at this time. Seeded areas shall be cut for a maintenance is to accord with this British Standard given it is the most current industry standard for establishing trees. Galium verum Lady's Bedstraw second time when the sward reaches 50mm high. Leucanthemum vulgare Oxeye Daisy Tree pits to the specified size are to be excavated and the base broken up a further 150mm with the sides well scarified Plantago media Hoary Plantain **PLANT SCHEDULE** to prevent smearing. All trees up to and including selected standards are to be supported with single 75mm diameter Selfheal Prunella vulgaris stakes. All rootball, container grown and trees over heavy standard size shall be double staked. Stakes should be driven Ranunculus acris Meadow Buttercup **TREES** 500mm into undisturbed ground before planting the tree, taking care to avoid underground services and cables etc. Rumex acetosa Commom Sorrel SIZE(cm) GIRTH(cm) CTRS(m) **REF SPECIES** SUPPLY Sanguisorba minor Salad Burnet 2.5 Silene dioica Red campion AT1 Pinus nigra 200/250 As shown Shrubs and hedges are to be set out as shown on the drawing and pit planted into the prepared soil at thespecified 425/600 AT2 Betula pendula As shown centres with minimal disturbance to the rootball and well firmed in. AT3 Pinus wallachaina CG 200/250 As shown **EHStd** AT4 Fagus sylvatica 425/600 14/16 As shown Trees are to be placed into the pits and backfilled with topsoil incorporating slow release fertilizer and Tree Planting and Wild flowers **EHStd** 425/600 AT5 Alnus glutinosa 14/16 As shown Mulching Compost as specified. Firm trees in well and secure with proprietary rubber tree ties and spacers. Achillea millefolium Betonica officinalis 0.5 Water in all trees and shrubs at the end of each day of planting. All trees to be planted in accordance with the implementation and maintenance guidelines. The

Spread ornamental pine bark mulch to a depth of 75mm across all new planting areas, ensuring groundcover plants are not buried.

The landscape contractor shall maintain all areas of new planting for a period of 12 months following practical

completion. All stock deemed to be dead, dying or diseased within the defects period shall be replaced by the contractor The site is to be visited monthly throughout the year to undertake the following operations.

Weed clearance: All planting areas are to be kept weed free by hand weeding or herbicide treatment. Litter clearance: All litter is to be removed from planting beds. Watering: Planting areas are to be brought up to field capacity at each visit and each tree is to receive 20 gallons. Checking trees: All tree ties and stakes are to be checked and adjusted if too loose, too tight or if chaffing is occurring. Any broken stakes are to be replaced.

Formative pruning: Any damaged shoots/branches are to be pruned back to healthy wood. Plants are to be pruned in accordance with good horticultural practice to maintain healthy well-shaped specimens.

3.0 NATIVE SHRUB PLANTING

manufacturers recommendations.

3.1. Ground Preparation

2.3 Maintenance

The extent of the planting area shall be set out using 38x38x1200mm timber stakes at each change in direction and at a maximum of 50m intervals.

Either: for notch planting All herbaceous material within the proposed planting area shall be sprayed out using an approved herbicide at least two weeks before planting and the ground shall be cultivated to a depth of 150mm.

or : for pit planting A 900mm diameter circle shall be sprayed out at each planting station using an approved herbicide at least

two weeks before planting. 3.2 Planting

All bare rooted stock is to be root dipped in water retaining polymer. Proposed planting is to be planted on an informal grid. To avoid straight lines each planting station can be moved by up to 300mm in any direction.

Either a for shelters or b for rabbit fence a. All stock to be protected from rabbit damage using approved proprietory tree and shrub shelters, 900mm and 600mm high respectively, secured with stakes and ties as advised by the manufacturer. b. All stock to be protected from rabbit damage by 900mm high rabbit fencing erected in accordance with the

3.3 Maintenance Using approved herbicides a 900mm diameter circle centered on each planting station shall be kept weed free throughout the maintenance period.

Each Autumn after planting and until handover to the adopting authority, the contractor will prepare a list of all plants

which are dead, dying or diseased and will replace these during the following planting season. 4.0 **GRASS**

Preparation The area to be turfed or seeded shall be sprayed out with a glyphosate herbicide and cultivated to a depth of 100mm

a fine tilth, incorporating pre-seeding fertiliser at 70 g/m2. 4.2 Delivery and Storage Turf shall be supplied in accordance with BS3936. Turf shall be Medallion grade as supplied by Rowlawn. It shall be

removing all weeds, debris and stones over 25mm diameter. The surface shall be raked to smooth flowing contours with

close textured and green in colour and be sufficiently fibrous to withstand handling. Turves shall be regular in shape, 300mm wide and of uniform thickness (minimum 25mm). The grass shall be closely mown and shall not exceed 25mm in height. Turf shall be stacked in piles of up to 1 metre. It shall not be laid in frosty or waterlogged conditions and shall not be stacked in rolls for more than three days.

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tree planting schedule and landscape proposals must be referred to by the Structural Engineer during foundation design. No tree species, size or location should be altered without prior approval from the Landscape Architect. CG - Container Grown.

HEDGEROWS ABBR SPECIES SUPPLY SIZE(cm) HABIT CTRS(m) LIGVU Ligustrum vulgare 60/80 Bushy 0.50

All hedgerow shrubs to be planted in accordance with the implementation and maintenance guidelines. The landscape proposals must be referred to by the Structural Engineer during foundation design. No hedgerow shrub species, size or location should be altered without prior approval from the Landscape Architect. Hedgerow shrubs to be planted in a single row within a 50cm wide bed and mulched in accordance with implementation and maintenance guidelines.

SHRUBS/HERBACEOUS to LAP 900 W.S **ABBR SPECIES** SUPPLY SIZE(cm) HABIT CTRS(m) BAMJUMA Fargesia murieliae 'Jumbo' 7.5L Full Pot As shown Hebe 'Purple Queen' 10L 30/40 Bushy As shown LAVANMU Lavandula ang. 'Munstead' 10L 30/40 Bushy As shown LONNIMG Lonicera nitida 'May Green' 10L 40/60 Bushy As shown

SEMI-ORNAMMENTAL MIX SUPPLY **ABBR** SIZE(cm) HABIT **SPECIES** CTRS(m) 30/40 Bushy 0.75 **AUCJA** Aucuba iaponica 3L **CORAL** 40/60 Cornus alba Branched 0.75

ELAEB Elaeagnus x ebbingei 3L 40/60 Bushy 0.75 Bushy LIGOV Liqustrum ovalifolium 30/40 0.75 3L Bushy **PRULU** Prunus Iustanica 40/60 0.75 3L VIBTI Viburnum tinus 40/60 Bushy 0.75 **NATIVE SHRUB MIX 1** × × × : **ABBR SPECIES** SUPPLY SIZE(cm) BREAKS CTRS(m)

ACECAM Acer campestre T1+1 60/80 1.50 CORSA Cornus sanguinea T1+1 60/80 1.50 **CORAV** T1+1 60/80 1.50 Corylus avellana 5 CRAMON Crateagus monogyna T1+1 60/80 1.50 5 ILEAQ Ilex aquifolium 2L 60/80 1.50 **PRUSP** T1+1 60/80 1.50 Prunus spinosa ROSCA Rosa canina T1+1 60/80 1.50 VIBOP Viburnum opulus T1+1 60/80 1.50

NATIVE SHRUB MIX 2 ABBR **SPECIES** SUPPLY SIZE(cm) BREAKS CTRS(m) CORAV Corylus avellana T1+1 60/80 1.00 CRAMON Crateagus monogyna T1+1 60/80 1.00 ILEAQ Ilex aquifolium 2L 60/80 1.00 **PRUSP** Prunus spinosa T1+1 60/80 1.00

ROSCA

Architect.

Rosa canina

All shrubs to be planted in accordance with the implementation and maintenance guidelines. No shrub species, size or location should be altered without prior approval from the Landscape

T1+1

60/80

GENERAL PURPOSE MEADOW MIXTURE (EM1 from Emorsgate or similar approved) Grasses Agrostis capillaris Common Bent Cynosurus cristatua Crested Dogstail 40 Festuca rubra ssp. juncea Slender-creeping 28 Red-festue Phleum bertolonii Smaller Cat's-tail 4 Sown at 4g/m2 MEADOW MIXTURE FOR WETLANDS (EM8 from Emorsgate or similar approved) Grasses Agrostis capillaris Alopecurus pratensis Meadow Foxtall Centaurea nigra Anthoxanthum odoratum Sweet Vernal-grass Filipendula ulmaria Cynosurus cristatus Crested Dogtail 1.5 Lady's Bedstraw Deschampsia cespitosa Tufted Hair-grass Galium verum Leucanthemum vulgare Oxeye Dalsy Festuca rubra ssp. juncea Slender-creeping Red- 25 Greater Birdsfoot Trefoil 0.5 Lotus pedunculatus Plantago lanceolata Primula veris Primula vulgaris Ranunculus acris Rhinanthus minor Rumex acetosa Sanguisorba officinalis Great Burnet Silaum silaus Pepper Saxifrage Silene flos-cucul Ragged Robin 0.2 Devil's-bit Scabious Succisa pratensis 0.5 Sown at 4g/m2 Vicia cracca

> Grass seed mixtures to be sourced from certified local provenance seed stock. Ground surface will be cleared of weed growth either removed by hand or through the application of an approved Glyphosate based herbicide (all herbicides should only be handled by certified users and in accordance with the COSHH Regulations 2002). The ground will them be ploughed and raked to produce a medium tilth. Sowing operation will be carried out in Spring or late Autumn at a rate indicated. The grass will be allowed to establish over the first growing season with a single mowing operation in the Autumn to top out any weed growth. On-going mowing operations will be carried out either once annually in the Spring, or twice annually in Spring and Autumn if grass species become dominant. Grass will not be cut during late Spring and Summer months to allow flower and herb species time to germinate.

NOTE: FOR TREE PIT DETAILS PLEASE REFER TO PEGASUS DRAWING BIR.4322 21 - ROOTBALLED TREE PIT DETAILS.

NOTES

All landscape proposals must be referred to by the Structural Engineer during foundation.

· Soiling operations to be carried out in accordance with the implementation and maintenance guidelines. All planting to be in accordance with the implementation and maintenance guidelines.

No species, variety, size or position to be amended without the Landscape Architects prior Before trees are planted, the Landscape Contractor shall ascertain the location of drains from the site manager, and shall if necessary make minor adjustments to tree positions to • ensure that they are planted at least 1.5m from drains. They should however be planted no

• closer to houses/garages than is shown on the drawing, and if shown located in shrub beds, the shape of the latter should be adjusted if necessary to accommodate the revised tree position. All planting must be mulched in accordance with the implementation and maintenance quidelines.

by 3L pot grown plants, and trees will be replaced by a containerised equivalent to be

approved by the project landscape architect.

If planting is required outside the October-March season, bare root shrubs will be replaced

Play area design updated to client comments or 15/08/16 EW Planting to sub station revised 13/05/16 AP Updated to LPA and client comments. 06/05/16 AP Sub station location revised 30/04/15 AP Rev Description Date

Play space updated to road/parking widening

Root protection areas shown on the plans.

15/12/16 EW

15/11/16 EW

10/11/16 FW

Updated to client comments

Updated to client comments

4 No. LONNIM©

7 No. CHOTES

4 No.PRULAO

S2

8/No.LONNIMG

√8 No. HEBPQ

-8 No.LAVANMU

No.HEBPQ No.LONNIMG

13 No. AUCJA 17 No. CORAL

13 No.ELAEB 17 No.LIGOV

13 No.PRULU 13 No. VIBTI

6 No. CORAV 17 No CRAMON

6 No.ILEAQ

8 No. PRUSP

2 No. ROSCA

-21 No. VINMI 28 No. VINMI

-36 No.LIGVU

4 No. CEATHR

Phase 2, Heyford Park

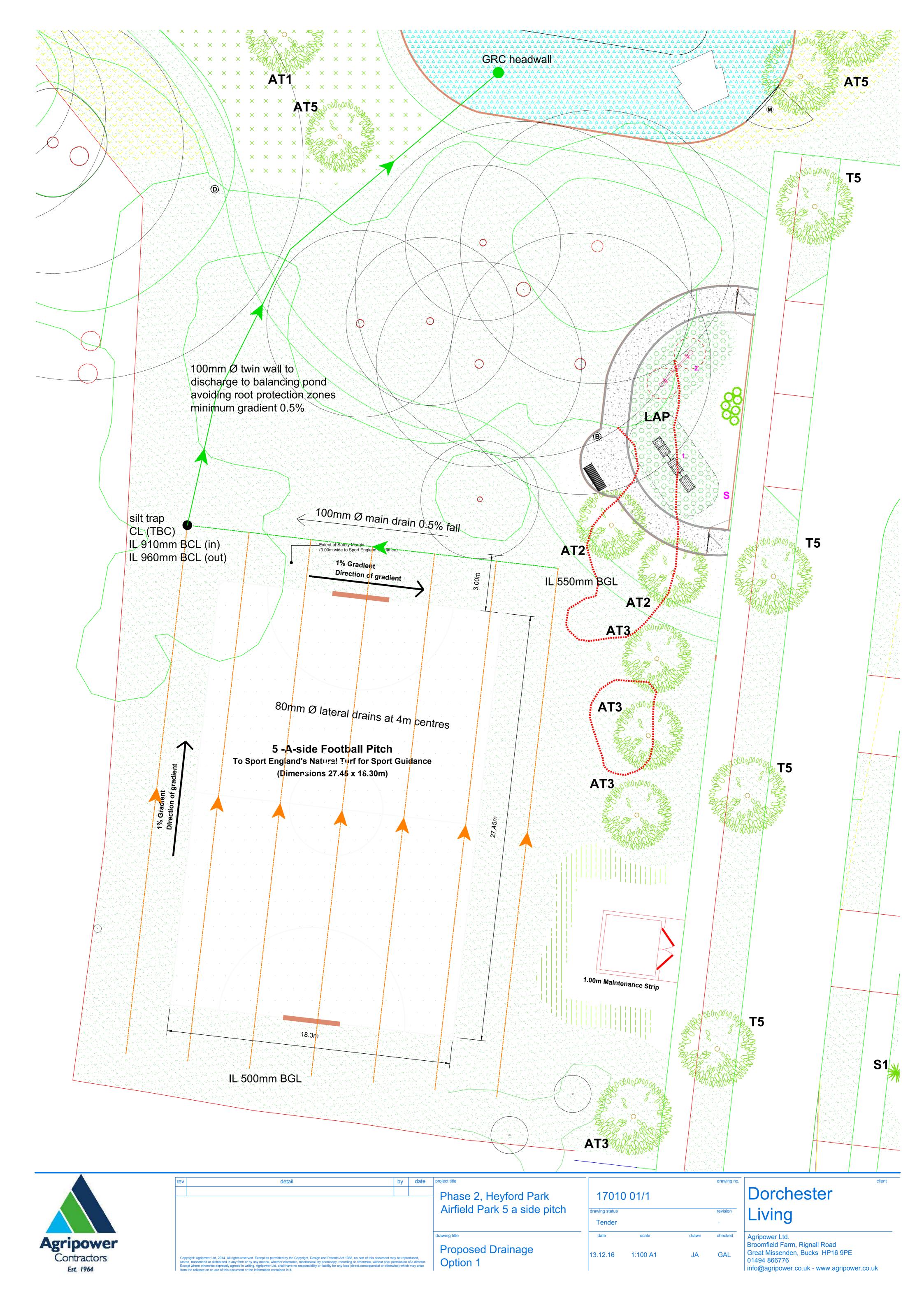
Public Open Space Proposals Airfield Park

Client: Dorchester Group

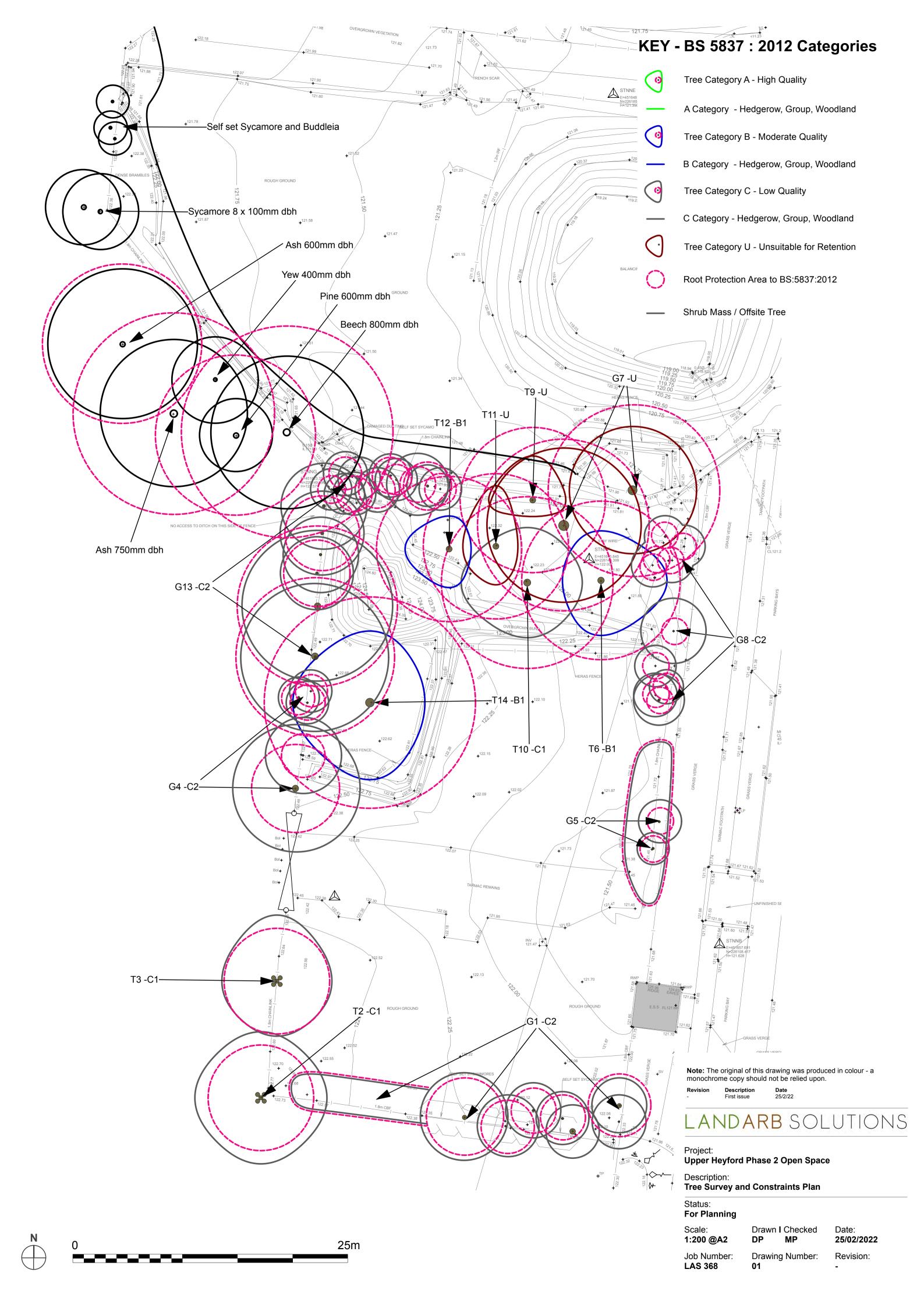
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Appendix 2: Tree survey Plan and Schedule



Ref	Species	Ht. (m)		Stem					ad (m)											
			Stem Count	Stem dia. (mm)	RPA radius	RPA area	Category Grading	N	E	S	w	Ht. 1st Br. (m)		1st Br. Direction	Ht. Can.	Life stage	ULE	Physiological Condition	Structural Condition	General Observations and Notes
G1	Dog rose, hazel, sycamore, ash	7.0	5+	100	1.2	5	C2	As on plan			0.0	-	-	0.5	SM	10+	Fair	Poor	Self set young to semi mature trees on boundary fence line. Drawn up, many multi stemmed. Small trees colonising disturbed ground.	
T2	Sycamore	10.5	5+	400	4.8	72	C1	6.0	6.0	6.0	6.0	0.0	-	-	0.5	EM	10+	Fair	Poor	Sycamore coppice, multi-stem drawn up stems from base. Growing around chain link fence. Low quality.
Т3	Sycamore	10.0	5+	400	4.8	72	C1	6.0	5.0	5.0	5.0	0.0	1	-	0.5	EM	10+	Fair	Poor	Sycamore coppice, multiple drawn up stems, ivy throughout. Either side of chain link fence. Low quality.
G4	Sycamore	9.0	5+	335	4.0	51	C2		Aso	n plan		0.0	1	-	0.0	EM	10+	Fair	Poor	Self set sycamore stems on boundary either side of chain link fence. Low quality.
G5	Rose, ash, hawthorn, elm, ivy	6.0	5+	100	1.2	5	C2		As on plan			0.0	,	-	0.5	SM	10+	Fair	Poor	Self set group on boundary, heavy ivy encroachment, linked and curved stems, small trees, low quality.
Т6	Pine	17.0	1	600	7.2	163	B1	4.5	6.0	5.0	3.5	0.0	-	-	2.0	М	10+	Fair	Fair	Large pine, thin canopy , some snapped branches from storm damage, dense ivy on stem unable to see stem. Leans to east.
G7	Pine	20.0	2	650	7.8	191	U		As o	n plan	•	0.0	-	-	0.0	М	<10	Dead	Dead	Two dead pine. Dense ivy on stems. Remove.
G8	Ash	7.0	5+	100	1.2	5	C2		As on plan			0.0	,	-	1.5	SM	10+	Fair	Poor	Drawn up self set ash stems, dense ivy on stems. Low quality.
Т9	Ash	18.0	1	550	6.6	137	U	4.0	3.0	1.5	4.0	0.0	,	-	4.5	М	<10	Poor	Poor	Dense ivy on stem, major decay in south limb which has failed, Limited canopy structure remaining. Poor quality.
T10	Sycamore	14.0	1	650	7.8	191	C1	5.0	5.0	5.0	6.0	0.0	-	-	0.0	М	10+	Fair	Fair	Dense ivy on stem into crown obscuring view. Moderate deadwood and crown appears thin.
T11	Ash	15.5	1	550	6.6	137	U	5.5	2.0	3.5	3.0	0.0	-	-	2.0	М	<10	Poor	Poor	Dense ivy on stem and into crown, poor canopy shape and structure, thin leaf bearing structure, appears in sever decline.
T12	Pine	15.5	1	550	6.6	137	B1	3.0	2.0	3.5	4.0	0.0	-	-	5.0	М	10+	Good	Fair	Dense ivy on lower stem obscuring view. Some deadwood. Reasonably dense needle coverage.
G13	Ash, sycamore	8.0	5+	100	1.2	5	C2		As on plan			0.0	-	-	0.0	EM	10+	Fair	Poor	Self set ash and sycamore stems along boundary either side of chain link fence. Small trees, drawn up, dense ivy on most.
T14	Pine	15.5	1	800	9.6	290	B1	6.5	5.0	7.0	7.0	0.0	-	-	3.0	М	20+	Good	Fair	Large pine, spreading canopy. Dense ivy on stem obscuring view, pruned in padt, som deadwoid, dense crown, some past branch loss.

Appendix 3: Site Photos



Photo 1: View looking east towards G8.



Photo 2: View looking east towards G5.



Photo 3: View west towards T14.



Photo 4: View looking north towards G7-T11.



Photo 5: View looking north west towards T6-T12.



Photo 6: View south towards G1.



Photo 7: View south west towards G1, T2 and T3.



Photo 8: View of off-site self-set scrub and small trees on north western boundary.



Photo 9: View west towards off site trees on western boundary (NW of G13).



Photo 10: View south towards G7-T12.



Photo 11: View of dead stem in G7.



Photo 12: View of dead stems in G7.



Photo 13: View east towards T9.

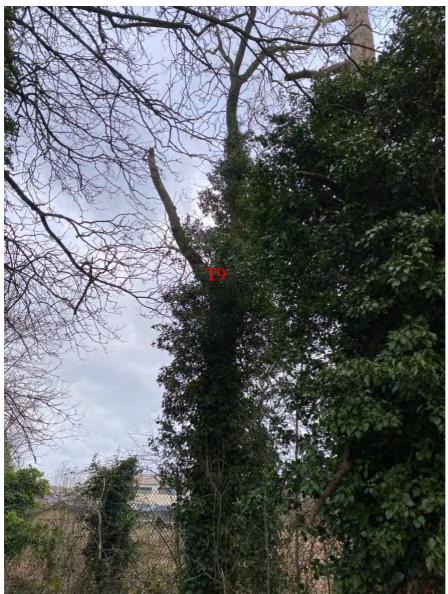


Photo 14: View of north at T9.



Photo 15: View west towards T10.

Appendix 4: Proposed POS Plan



Weed clearance: All planting areas are to be kept weed free by hand weeding or herbicide treatment. <u>Litter clearance</u>: All litter is to be removed from planting beds.

Watering: Planting areas are to be brought up to field capacity at each visit and each tree is to receive 20 gallons. Checking trees: All tree ties and stakes are to be checked and adjusted if too loose, too tight or if chaffing is occurring. Any broken stakes are to be replaced.

Formative pruning: Any damaged shoots/branches are to be pruned back to healthy wood. Plants are to be pruned in accordance with good horticultural practice to maintain healthy well-shaped specimens.

3.0 NATIVE SHRUB PLANTING

3.1. Ground Preparation The extent of the planting area shall be set out using 38x38x1200mm timber stakes at each change in direction and at a maximum of 50m intervals.

Either: for notch planting

Either a for shelters or b for rabbit fence

All herbaceous material within the proposed planting area shall be sprayed out using an approved herbicide at least two weeks before planting and the ground shall be cultivated to a depth of 150mm.

or : for pit planting A 900mm diameter circle shall be sprayed out at each planting station using an approved herbicide at least two weeks before planting.

3.2 Planting All bare rooted stock is to be root dipped in water retaining polymer. Proposed planting is to be planted on an informal

grid. To avoid straight lines each planting station can be moved by up to 300mm in any direction.

a. All stock to be protected from rabbit damage using approved proprietory tree and shrub shelters, 900mm and 600mm high respectively, secured with stakes and ties as advised by the manufacturer.

b. All stock to be protected from rabbit damage by 900mm high rabbit fencing erected in accordance with the manufacturers recommendations.

3.3 Maintenance Using approved herbicides a 900mm diameter circle centered on each planting station shall be kept weed free throughout the maintenance period.

Each Autumn after planting and until handover to the adopting authority, the contractor will prepare a list of all plants which are dead, dying or diseased and will replace these during the following planting season.

4.1 Preparation The area to be turfed or seeded shall be sprayed out with a glyphosate herbicide and cultivated to a depth of 100mm

removing all weeds, debris and stones over 25mm diameter. The surface shall be raked to smooth flowing contours with a fine tilth, incorporating pre-seeding fertiliser at 70 g/m2.

4.0 GRASS

4.2 **Delivery and Storage** Turf shall be supplied in accordance with BS3936. Turf shall be Medallion grade as supplied by Rowlawn. It shall be close textured and green in colour and be sufficiently fibrous to withstand handling. Turves shall be regular in shape, 300mm wide and of uniform thickness (minimum 25mm). The grass shall be closely mown and shall not exceed 25mm in

height. Turf shall be stacked in piles of up to 1 metre. It shall not be laid in frosty or waterlogged conditions and shall not be stacked in rolls for more than three days. | T 0121 308 9570 | F 0121 323 2215 | www.pegasuspg.co.uk |

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guidelines. The landscape proposals must be referred to by the Structural Engineer during foundation design. No hedgerow shrub species, size or location should be altered without prior approval from the Landscape Architect. Hedgerow shrubs to be planted in a single row within a 50cm wide bed and mulched in accordance with implementation and maintenance guidelines.

CTRS(m)

SHRUBS/HERBACEOUS to LAP **ABBR** SIZE(cm) HABIT **SPECIES** SUPPLY

BAMJUMA Fargesia murieliae 'Jumbo' 7.5L Full Pot As shown Hebe 'Purple Queen' 10L 30/40 HEBPQ Bushv As shown Lavandula ang. 'Munstead' 10L 30/40 Bushy As shown LONNIMG Lonicera nitida 'May Green' 10L 40/60 Bushy As shown SEMI-ORNAMMENTAL MIX **ABBR SPECIES** SUPPLY SIZE(cm) HABIT CTRS(m) **AUCJA** 30/40 Bushv 0.75 Aucuba japonica 3L

CORAL Cornus alba 3L 40/60 Branched 0.75 ELAEB 3L 40/60 Bushy 0.75 Elaeagnus x ebbingei LIGOV 0.75 Ligustrum ovalifolium 3L 30/40 Bushy 0.75 PRUI U 40/60 Prunus Iustanica Bushy 31 VIBTI Viburnum tinus 3L 40/60 Bushy 0.75

NATIVE SHRUB MIX 1 SIZE(cm) BREAKS CTRS(m) **SUPPLY ABBR SPECIES** 1.50 ACECAM Acer campestre T1+1 60/80 CORSA T1+1 60/80 1.50 Cornus sanguinea 1.50 CORAV Corylus avellana T1+1 60/80 60/80 CRAMON T1+1 1.50 Crateagus monogyna **ILEAQ** 2L 60/80 1.50 llex aquifolium T1+1 60/80 1.50 PRUSP Prunus spinosa 1.50 ROSCA T1+1 60/80 Rosa canina 5 VIBOP T1+1 60/80 1.50 Viburnum opulus

NATIVE SHRUB MIX 2 SPECIES SIZE(cm) BREAKS CTRS(m) **ABBR** SUPPLY CORAV T1+1 60/80 1.00 Corylus avellana 5 CRAMON 60/80 1.00 Crateagus monogyna T1+1 **ILEAQ** llex aquifolium 2L 60/80 1.00 PRUSP 60/80 1.00 Prunus spinosa T1+1 ROSCA Rosa canina T1+1 60/80 1.00

> All shrubs to be planted in accordance with the implementation and maintenance guidelines. No shrub species, size or location should be altered without prior approval from the Landscape Architect.

GENERAL PURPOSE MEADOW MIXTURE (EM1 from Emorsgate or similar approved)

Common Sorrel Rumex acetosa Sanguisorba officinalis Pepper Saxifrage Silaum silaus Ragged Robin Silene flos-cuculi 0.2 Devil's-bit Scabious Succisa pratensis 0.5 Sown at 4g/m2 Vicia cracca

Grass seed mixtures to be sourced from certified local provenance seed stock. Ground surface will be cleared of weed growth either removed by hand or through the application of an approved Glyphosate based herbicide (all herbicides should only be handled by certified users and in accordance with the COSHH Regulations 2002). The ground will them be ploughed and raked to produce a medium tilth. Sowing operation will be carried out in Spring or late Autumn at a rate indicated. The grass will be allowed to establish over the first growing season with a single mowing operation in the Autumn to top out any weed growth. On-going mowing operations will be carried out either once annually in the Spring, or twice annually in Spring and Autumn if grass species become dominant. Grass will not be cut during late Spring and Summer months to allow flower and herb species time to germinate.

NOTE: FOR TREE PIT DETAILS PLEASE REFER TO PEGASUS DRAWING BIR.4322 21 - ROOTBALLED TREE PIT

DETAILS.

Updated to latest site layou Colour version of plan for clarity Safety surfacing reference updated Updated to client comments. Play space updated to road/parking widening. Root protection areas shown on the plans. Updated to client comments. Play area design updated to client comments on Planting to sub station revised D Updated to LPA and client comments. Sub station location revised

approved by the project landscape architect.

NOTES

 All landscape proposals must be referred to by the Structural Engineer during foundation • Soiling operations to be carried out in accordance with the implementation and

 maintenance guidelines All planting to be in accordance with the implementation and maintenance guidelines.

No species, variety, size or position to be amended without the Landscape Architects prior Before trees are planted, the Landscape Contractor shall ascertain the location of drains from the site manager, and shall if necessary make minor adjustments to tree positions to

• ensure that they are planted at least 1.5m from drains. They should however be planted no

 closer to houses/garages than is shown on the drawing, and if shown located in shrub beds, the shape of the latter should be adjusted if necessary to accommodate the revised tree position All planting must be mulched in accordance with the implementation and maintenance auidelines.

If planting is required outside the October-March season, bare root shrubs will be replaced by 3L pot grown plants, and trees will be replaced by a containerised equivalent to be

Phase 2, Heyford Park

Updated to client comments

Updated to latest tree survey and client

22/04/22 WM

07/03/22 WM

03/03/22 WM

23/05/18 AP

05/03/18 AP

01/03/18 LB

25/08/17 AP

15/12/16 EW

15/11/16 EW

10/11/16 EW

15/08/16 EW

13/05/16 AP

06/05/16 AP

30/04/15 AP

Date

Q

Public Open Space Proposals Airfield Park

Client: Dorchester Group

www.pegasuspg.co.uk Team AP 17/12/2014

Bir.4322 22Q

Description

Scale: 1:200 @A1

Appendix 5: Tree Retention/Loss and Protection Plan

