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- ### Location Plan
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- The Location Plan shows the proposed site (shaded pink) within the context of the surrounding area. The site is bounded by a red line. The plan includes labels for 'Proposed Road', 'Proposed Site', and 'Proposed Road'. The site is located within a larger area defined by a dashed line.

Rev	Description		
 Tyler Grange			
Marsden Estate, Rendcomb, Cirencester, GL7 7EX			
E: TGlandscape@tylergrange.co.uk W: www.tylergrange.co.uk T: 01285 831 804			
Project title Deacon Business Park, Knowsley			
Drawing title Detailed Soft Landscape Proposals (Page 1 of 2)			
Date Scale	10.07.2023 1:500 @ A1	Drawn Checked	AL CS
Drawing number 15353 P10		Revision -	

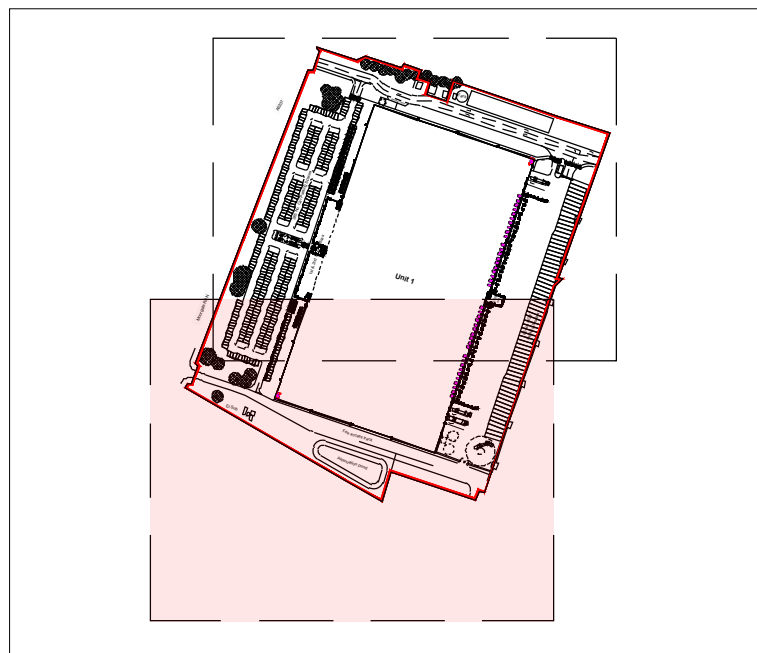
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- Site Boundary
 - Retained Tree Position with Root Protection Area (RPA)
 - Proposed Tree
 - Proposed Specimen Shrub
 - Proposed Pond Edge Planting
 - Proposed Aquatic Planting
 - Proposed Pond Edge Seed Mix (Emorsgate EP1)
 - Proposed Wetland Seed Mix (Emorsgate EM8)
 - Proposed meadow grassland (Emorsgate EM1)
- Areas under existing trees and proposed native hedgerows to be sown as shade tolerant wildflower meadow mix (Emorsgate EH1)

Location Plan



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GENERAL PLANTING SPECIFICATIONS:

Proposals to be read in conjunction with Architect's and Engineers Drawings:

- All landscape operations to be in accordance with BS4428: 1989 & BS 3936: 1992 and all amendments to date;
- Plant material to conform to the National Plant Specification;
- Any plant material planted outside the recognised planting season (Nov-Feb), to be containerised stock and supplied at the sizes specified;
- Plant handling and planting operations to be in accordance with HTA "Handling and Establishing Landscape Plants parts 1 - III";
- All planting to be maintained and guaranteed for 12 months to include watering, weeding, pest & disease control;
- The landscape sub-contractor is to take all safety precautions to prevent any injury to any persons. The landscape sub-contractor shall comply with the requirements of the Health and Safety at Work Act 1974 and current Construction, Design and Management Regulations; and
- The landscape sub-contractor shall confirm the location of all underground services before commencement of planting and report where trees/hedges are suggested within 2m of underground services and 5m of buildings.

SOIL AND MULCH

Soils should be certified to BS 3882:2015 (topsoil) and BS 8601:2013 (subsoil), but most importantly found via a soil scientists interpretive report and soil resource plan to be fit for the specific landscape function. Topsoil and subsoil will be of similar textural range and 'keyed in' at interface.

- Existing topsoil (if present and suitable) to be stripped and stored on site in heaps not exceeding 2m in height and kept weed free;
- Any compacted subsoil to be broken up to allow free drainage and to enable topsoil to key into surface;
- Any imported topsoil to be to BS3882, medium texture, neutral PH value, reasonably stone free with no stones over 20mm in size;
- Soil for meadow grassland to be composed of prepared sub-soil (nutrient poor);
- Topsoil depths to be 450mm for shrubs, hedges, climbers and groundcover planting;
- Finished topsoil levels to be 25mm above adjacent paved surfaces, and 300mm wide hard surfaced mowing margin to be provided where lawn adjoins buildings; and
- All planting areas to be covered with a 75mm depth of medium grade bark mulch.

TREES

- No trees to be planted within 3 metres of sewers or services or other easement recommended by the relevant statutory undertaker without the use of tree root barriers eg Greenleaf Reroot 600/100 placed between the tree and services;
- All trees shown to be planted ensuring that they are at least 5 metres away from buildings;
- Contractor to ascertain the location of all sewers and services prior to tree planting;
- Root barrier to be installed in planting pits in near proximity to underground services;
- Allow for the use of container grown stock during the periods 1 April to 31 October, and field grown stock from 1 November to 31 March unless otherwise specified in the planting schedule;
- Trees planted within grassed areas to be provided with appropriate conical strimmer guards;
- All tree pits should be comprise of 300mm of topsoil over 600mm free draining subsoil to replicate normal ground conditions;
- Tree pits of extra heavy standard trees to be underground guyed. Detailing of tree pit to include tree pit irrigation "Root rain precinct" or similar approved; "Green leaf root director; Underground "Deadmen" guying system "Platipus" attached to 2 no concrete kerbs and pit backfilled with urban tree sand or similar approved. Base of pit to be broken up to 150mm depth beneath 150mm clean coarse angular gravel;
- Where necessary increase tree pit dimensions to ensure that tree pits are at least 75mm deeper and 150mm wider than rootball. Break up bottom of pits to a depth of 150mm. Compacted glazed sides of pits should be roughened.

SHRUBS (ORNAMENTAL AND SPECIMEN)

- All specimen shrubs to be planted in pits twice the size of the pot in depth and width and backfilled with a 50 -50 topsoil and shrub planting mix.

PLANT MATERIAL TREATMENT

- All to be British grown stock and fully hardened off;
- Root Dip – Proprietary Root Dip applied to all bare root stock at time of lifting at nursery and prior to planting;
- Anti-Desiccant – Proprietary anti-desiccant to be applied to foliage of all containerised/rootballed material in leaf, specimen conifers and evergreens etc. prior to transportation and during any delay in planting;
- Pruning - Allow for pruning of all deciduous trees and shrubs by 1/3rd following planting at Landscape Architect's direction or as indicated in the planting schedule;
- Tree Stakes and Ties – Stakes to be pressure treated, round, smooth and peeled Larch or Chestnut, not less than 100mm in diameter. Advanced nursery stock – double staked with cross bar.

SEEDING

- Grass seeding cultivation to be brought to a fine tilth and all stones over 25mm in all directions removed. Areas to be uniformly firmed.
- Apply approved herbicide to control perennial weeds and allow period of time to elapse as recommended by manufacturer before final cultivation.
- Grass seed to be sown at rates shown below and as per Emorsgate recommendations.
- Amenity Grass areas to be seeded with Emorsgate EG22 Wear Tolerant Turfgrass Mixture (or similar approved), sown at 25g/m²;
- Other Meadow grassed areas to be seeded with Emorsgate EW1 'Woodland Meadow Mixture' (or similar approved), sown at 4g/m²;
- Roll the seeded area with a ribbed crinkle or Cambridge roller upon completion;
- When grass is between 40-75mm high remove stones and debris exceeding 50mm in any dimension. Cut grass to approximately 35mm high; Meadow grass to be cut twice a year in March and October.
- Remove and dispose of all arisings.

EXISTING TREES AND SHRUBS

- Avoid damage to branches, trunks and roots of trees. All existing trees and hedges to be retained are subject to BS5837 (2005 and all amendments to date) 'Trees in relation to Construction – Recommendations', and should be fully fenced off, prior to the commencement of any works.
- Where existing trees and shrubs are to be retained they should be subject to a full Arboricultural inspection for safety;
- Any surgery required shall be in accordance with BS3998 (2010 and all amendments to date) 'Tree Work – Recommendations', shall comply with any existing T.P.O requirements and shall require the prior approval of the Landscape Architect;
- No storage of materials, disposal of rubbish, site fires, spillage of oil and chemicals, ground compaction, excavation or changes in level shall be carried out within existing tree/hedge canopies.

Planting Schedule

Trees					
Number	Species	Height	Specification	Density	
2	Acer pseudoplatanus	350-425cm	Extra Heavy Standard :Clear Stem min. 200 :RB	Counted	
1	Alnus glutinosa	350-425cm	Extra Heavy Standard :Clear Stem min. 200 :RB	Counted	
4	Amelanchier lamarckii	350-425cm	Extra Heavy Standard :Clear Stem 175-200 :C	Counted	
1	Betula pubescens	350-425cm	Extra Heavy Standard :Clear Stem min. 200 :RB	Counted	
4	Fagus sylvatica	350-425cm	Extra Heavy Standard :Clear Stem min. 200 :RB	Counted	
4	Quercus robur	350-425cm	Extra Heavy Standard :Clear Stem min. 200 :RB	Counted	
1	Salix alba	350-425cm	Extra Heavy Standard :RB	Counted	
18	Tilia cordata 'Green Spire'	350-425cm	Extra Heavy Standard :Clear Stem min. 200 :RB	Counted	
4	Tilia x europaea	350-425cm	Extra Heavy Standard :Clear Stem min. 200 :RB	Counted	

Shrubs					
Number	Species	Height	Pot Size	Specification	Density
33	Cornus sanguinea	80-100cm	5L	Bushy :5 brks :C	3/m ²
33	Sambucus nigra	60-80cm	5L	Bushy :5 brks :C	3/m ²
33	Viburnum opulus	80-100cm	5L	Bushy :5 brks :C	3/m ²

Herbaceous					
Number	Species	Pot Size	Specification	Density	
124	Ajuga reptans	2L	Grade 10+ :Full Pot	3/m ²	
62	Campanula glomerata	2L	Grade 10+ :Full Pot	3/m ²	
62	Eupatorium cannabinum	2L	Grade 10+ :Full Pot	3/m ²	

Ferns					
Number	Species	Pot Size	Specification	Density	
94	Dryopteris dilatata	3L	Full Pot	3/m ²	
94	Dryopteris filix-mas	3L	Full Pot	3/m ²	

Marginal / Aquatics					
Number	Species	Specification	Pot Size	Density	
94	Juncus effusus	Well Rooted	2L	3/m ²	
132	Phragmites australis	Well Rooted	2L	3/m ²	
198	Typha latifolia	Well Rooted	2L	3/m ²	

'RUBBER LOCK' TREE TIES AND SPACERS.
2No. TIES PER TREE, ONE IMMEDIATELY BELOW THE OTHER.
75mm DIAMETER, 1600mm LONG SOFTWOOD TIMBER STAKE.
LOWER END TREATED WITH PRESERVATIVE. POSITION
OF STAKES DEPENDANT ON SIZE OF ROOTBALL.

STRIMMER GUARD
MULCH TO 70mm DEPTH
ROOTBARRIER REQUIRED IF TREE IS PLANTED WITHIN
3 METRES OF SEWERS OR SERVICES

BACKFILL MATERIAL TO BE TOPSOIL MIXED WITH
20% PEAT FREE ORGANIC TREE PLANTING COMPOST
AND 120g 'SIERRABLEN FLORA' SLOW RELEASE FERTILISER.
BASE OF PIT BROKEN UP TO 150mm MIN DEPTH

HEAVY AND EXTRA HEAVY STANDARD TREES IN SOFT
LANDSCAPE AREAS

0 20m

