

LEGEND: SOILING



SOIL TYPE 01
Native hedgerow & Woodland Edge Planting

H01 Native hedgerow and WE01 woodland edge shrubs to be planted in isolated pits in existing ground. Trench and shrub pits to be backfilled with ameliorated site won topsoil in accordance with specification Q28/145. Refer to Soiling Plans and for pit size refer to Landscape Specification Q31.



SOIL TYPE 02
Wildflower / Meadow Planting in newly created areas

150mm low fertility graded topsoil (imported or existing suitable for meadows) over minimum 300mm deep existing subsoil (placed or existing). For topsoil specification refer to Landscape Specification Q28/115, Q28/325 & Q28/326C.

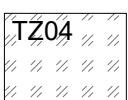
- Cultivate, grade and stone clear existing or placed subsoil
- Place 150mm of low fertility soil free of stones etc in accordance with specification
- Fine grade for seeding for planting meadow mixes MD02 - Wet Meadow Mix and WE02 - Woodland edge Grassland Mix. Refer to soiling plans and Landscape Specification Q28/115.



SOIL TYPE 03
Swale

150mm deep low fertility (imported or site won topsoil) for sides placed over 150mm deep clean well graded gravel/linert soil mix to the base of the swale. Refer to soiling plans and Landscape Specification Q28/116.

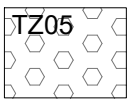
- Cultivate formation levels to sides and base of swale
- Place 150mm of ameliorated site won topsoil (from on-site storage heaps) to sides and 150mm deep graded gravel/linert soil to the base of swale
- Fine grade for seeding for planting meadow mixes



SOIL TYPE 04
Woodland Shrubs, Herbaceous perennials and Grasses

Minimum 450mm deep ameliorated site won topsoil placed over 550mm deep site won subsoil (placed or existing). Topsoil to be ameliorated in accordance with Landscape Specification Q28/117, Q28/325 & Q28/326B. Planting beds to receive 50mm deep dark mulch in accordance with Landscape Specification Q28/155.

- Cultivate formation levels
- Place 550mm of subsoil and grade to falls
- Place 450mm of pre blended ameliorated site won topsoil (from on-site storage heaps)
- Improve topsoil with organic fertilizers at planting stations as specified.
- Place 50mm Mulch

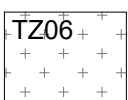


SOIL TYPE 05
Rain Garden

900mm deep imported free draining manufactured growing medium over 2-6mm clean crushed granite grit 50mm depth, layer covered with dense weave hessian wrap. Min 450mm deep clean peagravel layer to base - all in accordance with Landscape Specification Q28/118 and Q28/510A . All Raingarden beds to receive 50mm deep gravel mulch in accordance with Landscape Specification Q28/156.

- Cultivate formation levels in accordance with specifications
- Place 450mm of clean pea gravel to falls with 50mm deep 2-6mm clean crushed granite grit covered with hessian wrap
- Place 900mm of imported free draining manufactured growing medium
- Place 50mm gravel mulch

Note: Soil profile graded to create shallow depression along centre of Rain Garden. Contractor to submit soil analysis report from soil scientist confirming suitability of the mix for use in rain garden.



SOIL TYPE 06

Pond Marginal Beds between 40.600m and 41.500m AOD:

- 400 mm imported gravel matrix in accordance with Landscape Specification Q28/119 & Q28/522A
- Following placement of liner and protective fleeces place 400mm of gravel matrix

Upper Marginal Beds between 41.500m and 42.000m AOD:

200 mm imported gravel matrix in accordance with Landscape Specification Q28/119 & Q28/522A blended with 350mm inert low fertility topsoil

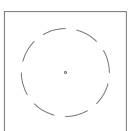
- Following placement of liner and protective fleeces place 550mm of gravel matrix
- Top dress all upper marginal shelves with 50mm of gravel mulch to Landscape Specification Q28/156.

Note: Contractor to submit soil analysis report from soil scientist confirming suitability of the above mixes for the pond



SOIL TYPE 07
Treepits in hard paving

Minimum 900mm deep of arbor soil hydro max on structural Rootspace cells 600mm depth (Green Blue System treepit GBU 3117- or equal approved - in accordance with Landscape Specification Q28/522). Contractor to allow for proprietary aeration wells as shown in detail Q31/515. Refer to Soiling Plans and Landscape Specification Q28/522.



TREE PIT TYPE 07

Refer to Soiling Plans, typical tree pit details and Landscape Specification section Q31.



SOIL TYPE 08
Wildflower / Meadow Planting in existing soil areas and RPA / Buffer Zone Areas

Note: Contractor to note that the works within the RPA of the existing trees are to be undertaken strictly in accordance with the specification and Arboriculturalist's recommendation. Contractor to submit method statement for approval.

For existing soil areas to be retained insitu:

- Cut the existing grass/sward short and carefully scarify ground in late summer, exposing up to 50% of soil where feasible. Carefully dig out/remove perennial weeds like nettles, docks, thistles.
- Contractor to allow for 50mm low fertility graded topsoil (imported or existing suitable for meadows) to be finely graded over area to marry in smoothly with levels. Refer Landscape Specification Q28/120.
- Carefully roll / tread to give good seed/soil contact
- Carefully prepare ground for surface sowing and broadcast the specified seed in the autumn
- Maintain / manage in accordance with specification

For new tree/shrub planting in these zones refer to Softworks Plans and Plant Schedule and undertake in accordance with specification Q31.



SOIL TYPE 09
Proprietary vegetated geotextile bags to side slopes of swale. Bags to be filled with 70% sand and 30% low fertility soil. For design intent refer to DWG no. RD001-FCB-XX-XX-DR-L-3302 and Landscape Specification Q28/121 and Q28/157.

NOTE: Contractor to allow for unseeded erosion control blanket to the top of swale slope. Swale slope and base to be seeded with Swale grassland mix (SW01). Refer to Plant Schedule.



BELOW GROUND TREEPIT EXTENTS

General notes:

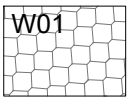
The Contractor shall use the stripped site-won topsoil for all landscape works where specified. The contractor shall import certain soil types as set out below and in accordance with the specification.

The Contractor is responsible for ascertaining accurate quantities necessary for the execution of the works which include confirming that there is sufficient quantity of site-won topsoil to carry out the works.

The Contractor shall confirm the above requirement at Tender stage. Any deficiency of topsoil existing on site shall be imported by the Contractor to fulfil the requirements of the Contract.

A full written chemical and physical analysis of the existing and any proposed imported topsoil for the various planting beds will be required for approval before soil is transported to site, including recommendations for soil improvements and treatements to the existing soil for the intended planting and biodiversity objectives.

LEGEND: PLANTING



WOODLAND MIX 01- FRUIT FOREST

Refer to Softworks General Arrangement Plans, Plant schedule and Landscape Specification Q31.



WOODLAND MIX 02

Refer to Softworks General Arrangement Plans, Plant schedule and Landscape Specification Q31.



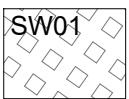
WOODLAND EDGE MIX 01

Refer to Softworks General Arrangement Plans, Plant schedule and Landscape Specification Q31.



WOODLAND EDGE MIX 02

Refer to Softworks General Arrangement Plans, Plant schedule and Landscape Specification Q30/312, 312A & Q31



SWALE GRASSLAND MIX

Refer to Softworks General Arrangement Plans, Plant schedule and Landscape Specification Q30/312B.



AQUATIC AND MARGINAL MIX FOR POND

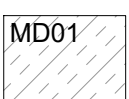
Refer to Softworks General Arrangement Plans, Plant schedule and Landscape Specification Q31.

Note: Submerged aquatic plant supplied and planted in proprietary baskets. Pond liner system to be fully compatible with planting intent.



RAIN GARDEN MIX

Refer to Softworks General Arrangement Plans, Plant schedule and Landscape Specification Q31.



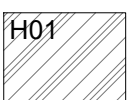
MEADOW MIX 01

Refer to Softworks General Arrangement Plans, Plant schedule and Landscape Specification Q30/312C & Q31.



MEADOW MIX 02

Refer to Softworks General Arrangement Plans, Plant schedule and Landscape Specification Q31.



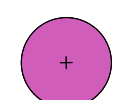
NATIVE HEDGEROW MIX

Refer to Softworks General Arrangement Plans, Plant schedule and Landscape Specification Q31.

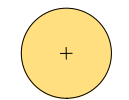


ORNAMENTAL GRASSES, HERBACEOUS PERENNIALS & FERNS

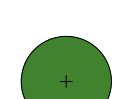
Refer to Softworks General Arrangement Plans, Plant schedule and Landscape Specification Q31.



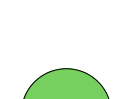
Trees in arrival court and car park.
Refer to Softworks General Arrangement Plans and Planting schedule.



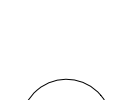
Trees in rain gardens
Refer to Softworks General Arrangement Plans and Planting schedule.



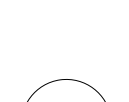
Trees in fruit woodland mix W01 - Fruit Forest
Refer to Softworks General Arrangement Plans and Planting schedule.



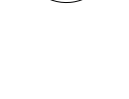
Trees in woodland mix W02
Refer to Softworks General Arrangement Plans and Planting schedule.



Tree form: Standard
Refer to Softworks General Arrangement Plans and Planting schedule.



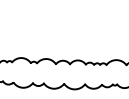
Tree form: Multi-stemmed
Refer to Softworks General Arrangement Plans and Planting schedule.



Tree form: Multi-stemmed
Refer to Softworks General Arrangement Plans and Planting schedule.



EXISTING TREES TO BE RETAINED



EXISTING HEDGEROW/SHRUBS TO BE RETAINED
Refer to drawing RD001-FCB-XX-XX-DR-L-5101



EXISTING HEDGE TO BE RETAINED
Refer to drawing RD001-FCB-XX-XX-DR-L-5101

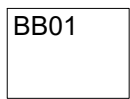


TREE TO BE REMOVED

To be read in conjunction with Plant Schedule. Refer to document RD001-FCB-XX-XX-SH-L-5000.

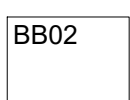
LEGEND: ECOLOGICAL ENHANCEMENT/ MITIGATION

Note: Ecological enhancement measures shown indicatively on Landscape Architect's drawings to Ecologist's advice



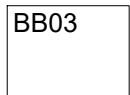
BAT BOX

Refer to Softworks General Arrangement Plans



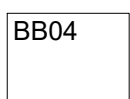
SWIFT BOX

Refer to Softworks General Arrangement Plans



BIRD BOX

Refer to Softworks General Arrangement Plans



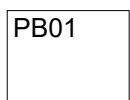
BARN OWL BOX

Refer to Softworks General Arrangement Plans



HOUSE SPARROW/ BLACK REDSTART TERRACE

Refer to Softworks General Arrangement Plans



POLE MOUNTED BAT BOX

Refer to Softworks General Arrangement Plans



LOG PILE

Refer to Softworks General Arrangement Plans



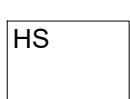
STAG BEETLE LOGGERY

Refer to Softworks General Arrangement Plans



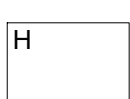
GRASS SNAKE EGG LAYING HEAP

Refer to Softworks General Arrangement Plans



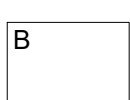
HEDGEHOG SHELTER

Refer to Softworks General Arrangement Plans



REPTILE/ AMPHIBIAN HIBERNACULA

Refer to Softworks General Arrangement Plans



BEE HOLES

Drilled holes between 2mm and 10mm in diameter in the south-facing for solitary bees

LEGEND: EXISTING TREES RETENTION AND REMOVAL

CATEGORY A TREES

Trees of high quality with an estimated remaining life expectancy of at least 40 years.

CATEGORY B TREES

Trees of moderate quality with an estimated remaining life expectancy of at least 20 years

CATEGORY C TREES

Trees of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm

CATEGORY U TREES

Those trees in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years

Root Protection Area (RPA)

Canopy Spread

Tree Position

T1(Cat C) Tree Tag Number and Category

EXISTING HEDGE TO BE RETAINED

Refer to drawing RD001-FCB-XX-XX-DR-L-5101

TREE TO BE REMOVED

Refer to drawing RD001-FCB-XX-XX-DR-L-5101

Notes:

1. All imported topsoil/subsoil to be chemically tested and analysed by a qualified soil scientist and to comply to topsoil requirements within specification. All results and recommendations to be submitted to Landscape Architect for approval prior to ordering.

2. Contractor to calculate all required volumes of topsoil and specified ameliorants in accordance with specified depths and tree pit volumes.

3. Contractor to make allowance for root barriers adjacent to utility corridors.

4. All topsoil, subsoil placement and earthworks to comply to relevant British Standards and in accordance with Landscape Specification.

• BS 1377-2:19 90 Methods of test for soils for civil engineering purposes. Classification tests.

• BS3882:2015 Specification for topsoil and requirements for use.

• BS4428:19 89 Code of practice for general landscape operations (excluding hard surfaces)

• BS5 930:2015 Code of practice for site investigations.

• BS6031 :200 9 Code of practice for earthworks.

• BS8000 -0:2014 Workmanship on building sites. Code of practice for excavating and filling.

5. All works should be undertaken from outside the RPA wherever possible. Where working within an RPA is unavoidable, ground protection measures and watering methodologies must be fully compliant with section 6.2 of BS 5837:2012 and agreed by a consulting an approved Arboriculturalist.

6. Contractor to submit Method Statement for undertaking works within the vicinity of existing Root Protection Areas for Landscape Architect and Arboriculturalist's approval. During the excavation process, all works likely to impact trees should be supervised by the consulting arboriculturalist.

7. All tree pruning should be carefully planned and undertaken in accordance with BS 3998: 2010 Recommendation for Tree Works.

8. All tree works should give due consideration to the potential presence of protected species, including breeding birds and roosting bats. Any relevant ecological reports pertaining to the site should be consulted prior to the commencement of works.

GENERAL NOTES:

- All dimensions and levels to be checked and verified on site before commencing any work or producing shop drawings
- This drawing is to be read in conjunction with all other relevant drawings, specifications and schedules.
- Any discrepancy concerning the drawings should be referred to the originator / CA immediately
- All dimensions in millimetres unless noted otherwise
- All levels in metres
- Existing service alignments to be checked on site by the contractor on site by the contractor prior to construction work commencing
- The content of this drawing is to be read in conjunction with the latest project CDM risk register

NOTES:

- The proposed access road is not part of the Natural History Museum works. Refer to the University of Reading planning application for details.
- For building plans and associated details, refer to the Architect's information.
- All external gates, railings, and boundary treatments around the Service Yard shall be in accordance with the Architect's information, unless noted otherwise.
- All paving make-ups to be in accordance with the Engineer's information.
- For highways directional signage, refer to the Engineer's information.
- Retaining wall structural details are provided in the Engineer's information. Structural performance and requirements of gabions to be in accordance with the Engineer's details and specification. The scope of the gabion system in the Landscape Specification (Clause 041) is limited to visual appearance and performance. The final system must be coordinated with the Engineer for structural requirements. Slot and channel drains must meet the Engineer's specifications - finishes to be agreed with Landscape Architect.
- Site-wide drainage and primary water services are detailed in the Engineer's information. The contractor must incorporate positive free pit drainage in line with the site-wide drainage strategy and Engineer's details.
- External lighting proposals to follow the Engineer's information and comply with planning guidance to minimise light pollution and preserve dark skies. External lighting position as are coordinated with the landscape layout.
- H/M (Hostile Vehicle Mitigation) measures and security requirements are subject to final detail confirmation by the Security Consultant, who will advise on the placement of sensors, access control systems for gates, fences, and bollards type and location.
- EV charging points shown indicatively on landscape plans, refer to the Engineer's information.
- Ecological hibernacula features are shown indicatively on landscape plans. Final details to be provided by Ecologist.
- Footings design for benches, bins, fence and gate posts, steps, walls, and bollards to be provided by the Engineer.
- All external signage and road marking by others.
- External tap watering points are shown on the landscape plan. The source of water and required volume to be in accordance with engineer's requirements.

S4 For LAP Review & Authorization

To be read in conjunction with the following documents & drawings

- RD001-FCB-XX-XX-DR-L-1001 Annotation Legend - Hardworks
- RD001-FCB-XX-XX-DR-L-1002 Annotation Legend - Softworks
- RD001-FCB-XX-XX-DR-L-1003 Annotation Legend - Section & Details

POS	02.05.2025	STAGE 4		VDM	KF
PO4	21.02.2025	STAGE 4		VDM	KF
PO3	24.01.2025	STAGE 4		VDM	KF
PO2	21.06.2024	TENDER		VDM	KF
PO1	26.04.2024	TENDER		VDM	KF
Rev.	Date	Description			Drawn/ Ch'd

grant associates
Landscape Architecture, Urban Design, Creative Ecology
22 Milk Street, Bath BA1 1UT
T: +44 (0) 1225 332664, F: +44 (0) 1225 420803
E: info@grant-associates.uk.com

CLIENT
FEILDEN CLEGG BRADLEY STUDIOS

PROJECT
Natural History Museum THAMES VALLEY SCIENCE PARK

TITLE
**SITE WIDE PUBLIC REALM
ANNOTATION LEGEND
SOFTWORKS**

Scale:	Date:	Drawn:	Checked:	Approved:
N/A@ A1	02/05/2025	MS	KF	KF
Status:	STAGE 4			
Drawing Number:	RD001-FCB-XX-XX-DR-L-1002			Rev:
				P05