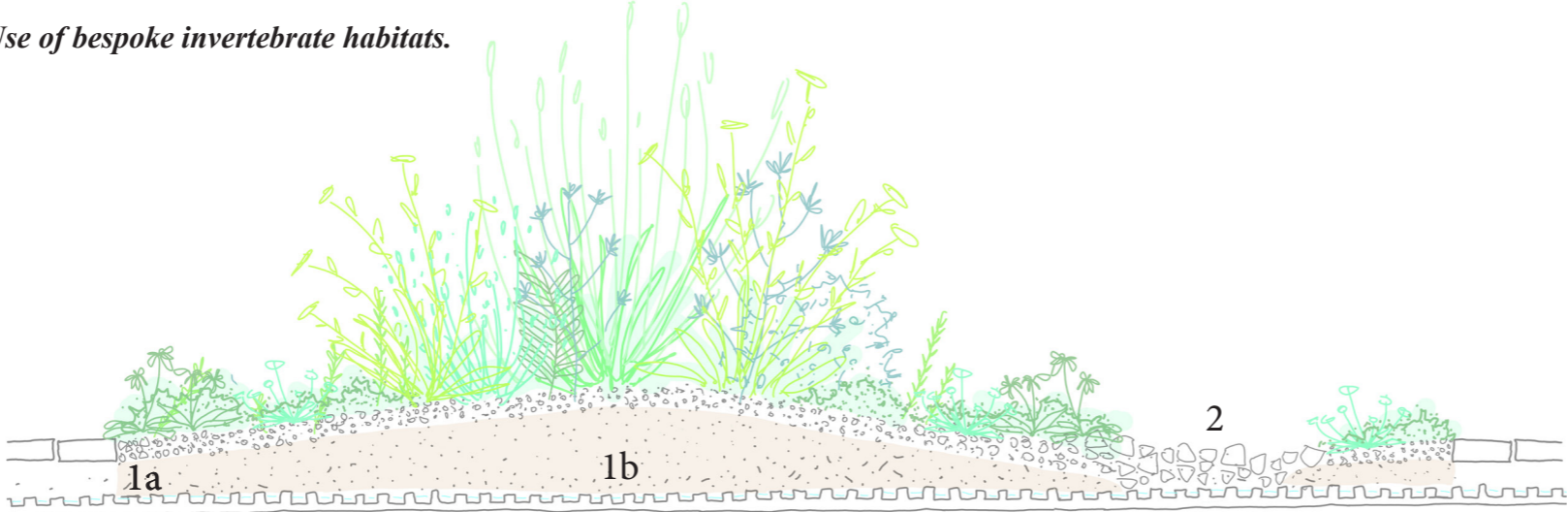
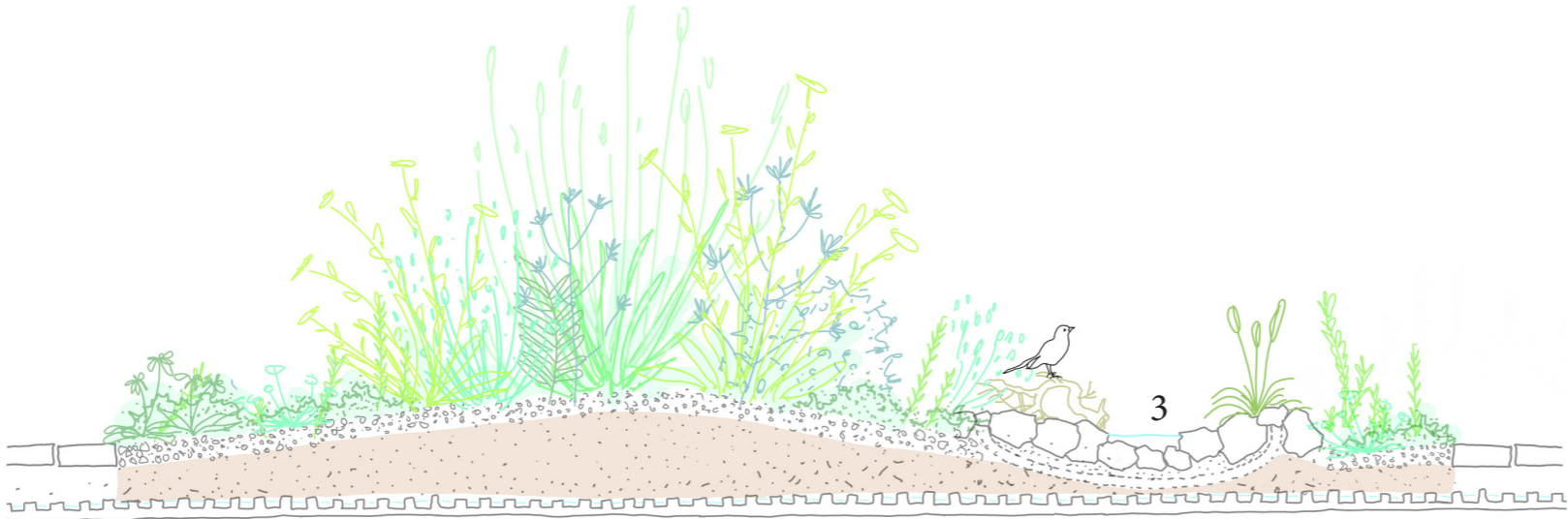


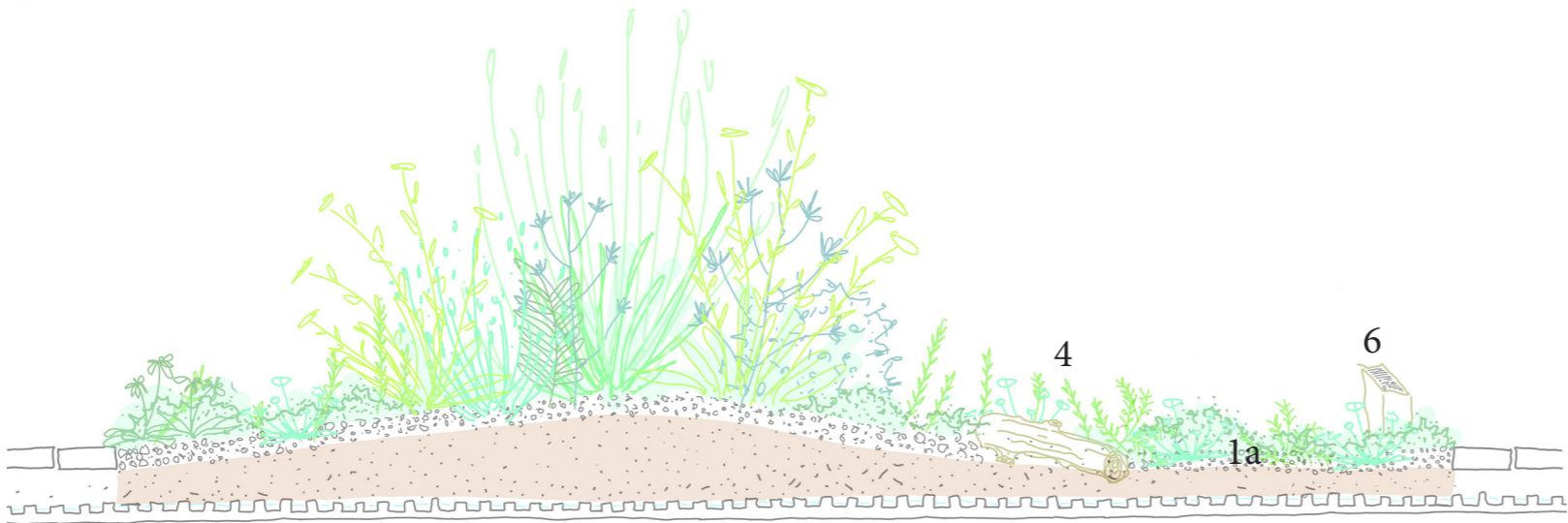
Condition 15, Part E: Use of bespoke invertebrate habitats.



2 graded aggregate, gravel and larger stones



3 temporary water body



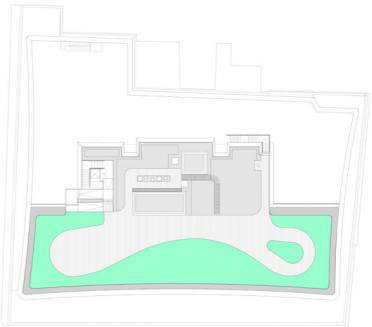
4 dead wood



6 interpretation

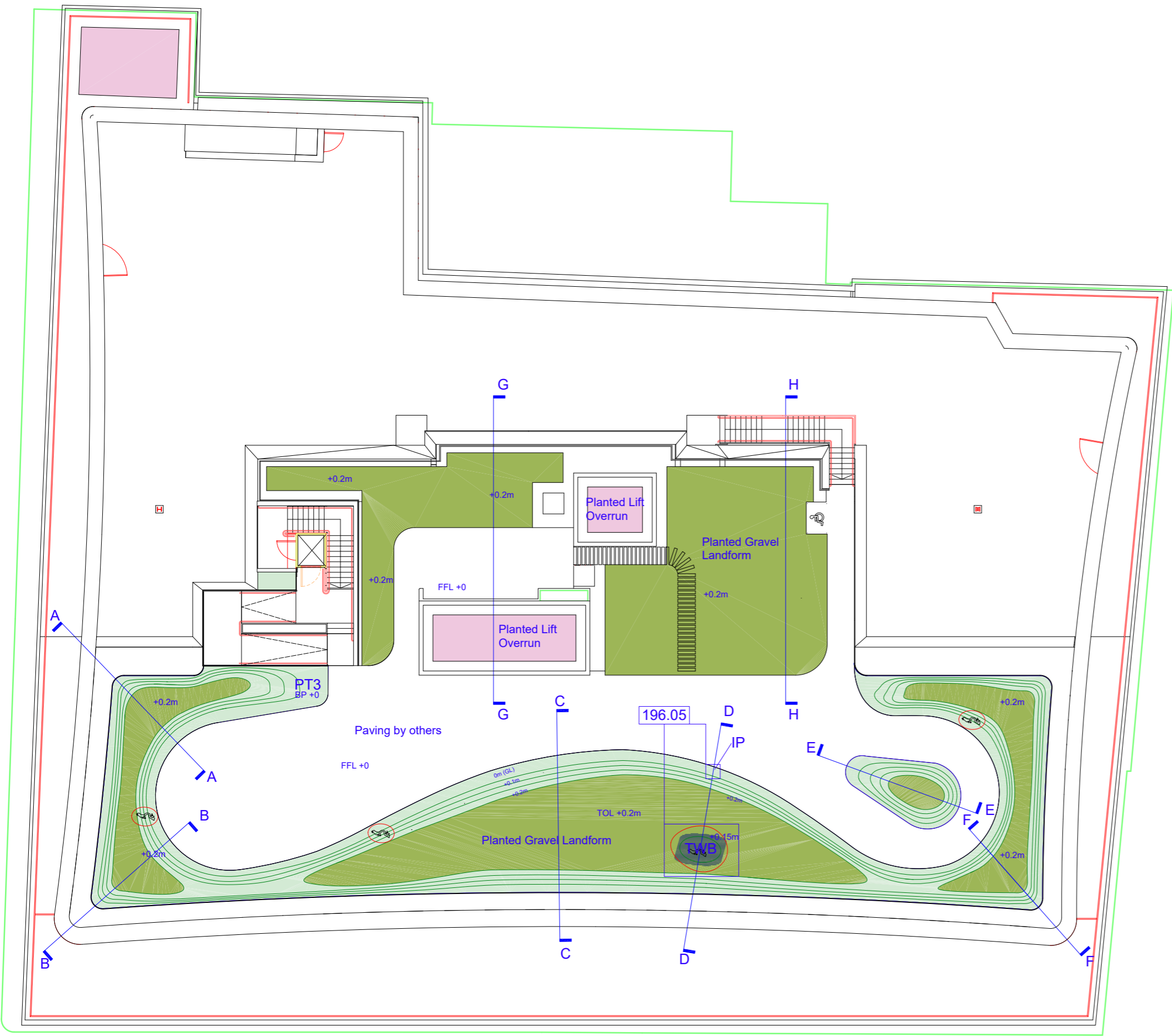
TYPICAL SECTIONS THROUGH THE BIODIVERSE PLANTING

The sections above show how we propose to amalgamate all the key elements of a biodiverse roof with the more exceptional planting design which is suited to this office amenity space. Our planting will be carefully selected and designed to make a beautiful garden but with the additional enhancements such as deadwood, dry gravel areas and temporary water biodiverse that will make it a diverse and rich habitat for invertebrates.



SEMI INTENSIVE ZONE

Condition 15, Part E: Use of bespoke invertebrate habitats - evidence



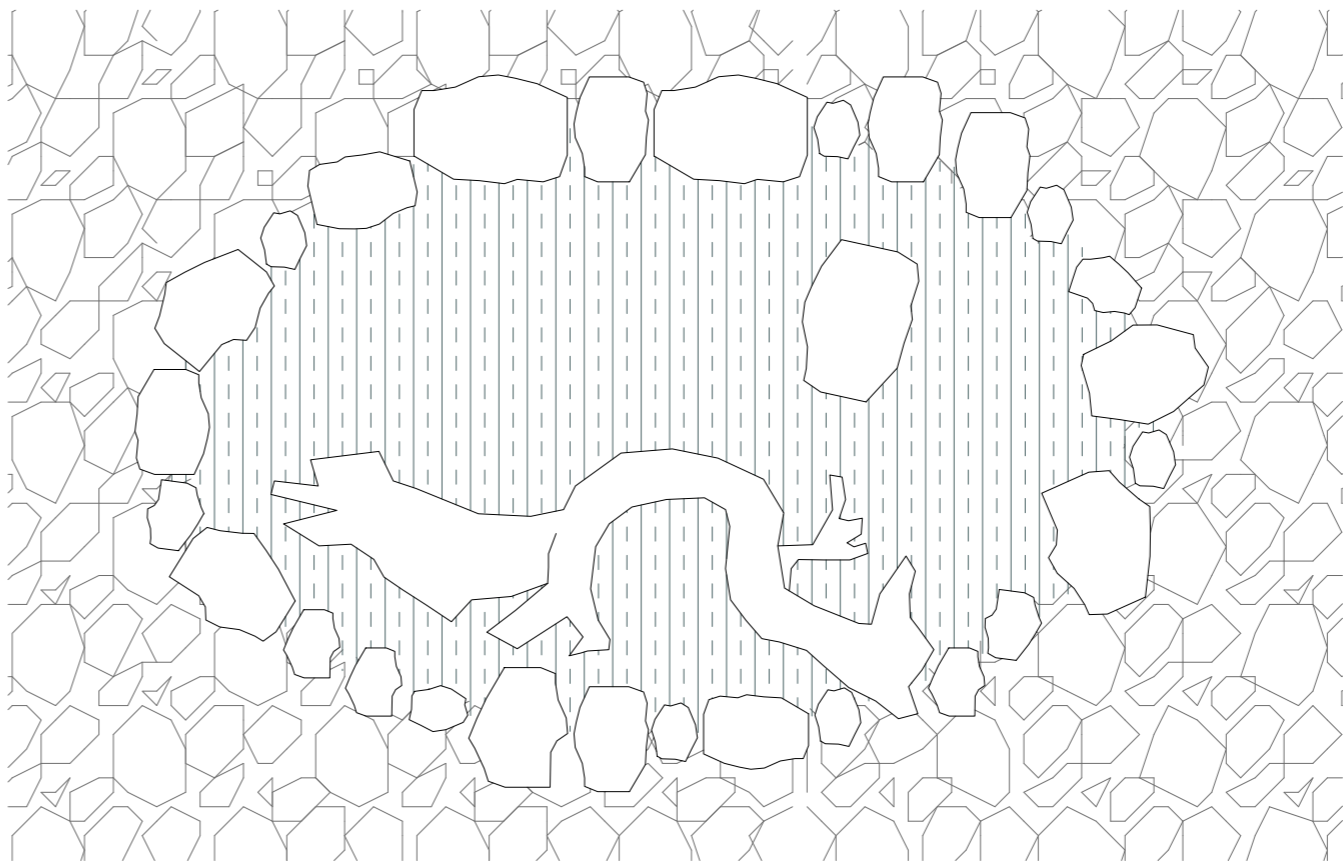
- TWB Temporary Water Body (See 192.05)
- IP Interpretation Post (See 192.06)
- Areas of Stone for biodiversity as cause 4C + 4D in the spec
- Deadwood (See 192.06)
- Contour Line at .5m centres (See sections 192.01/03)
- +0.2m Levels given from finish floor level (FFL +0)
- 310mm depth soil
- 210mm depth soil
- varying soil depth (see contours)

Network Building
Rooftop Landform Plan

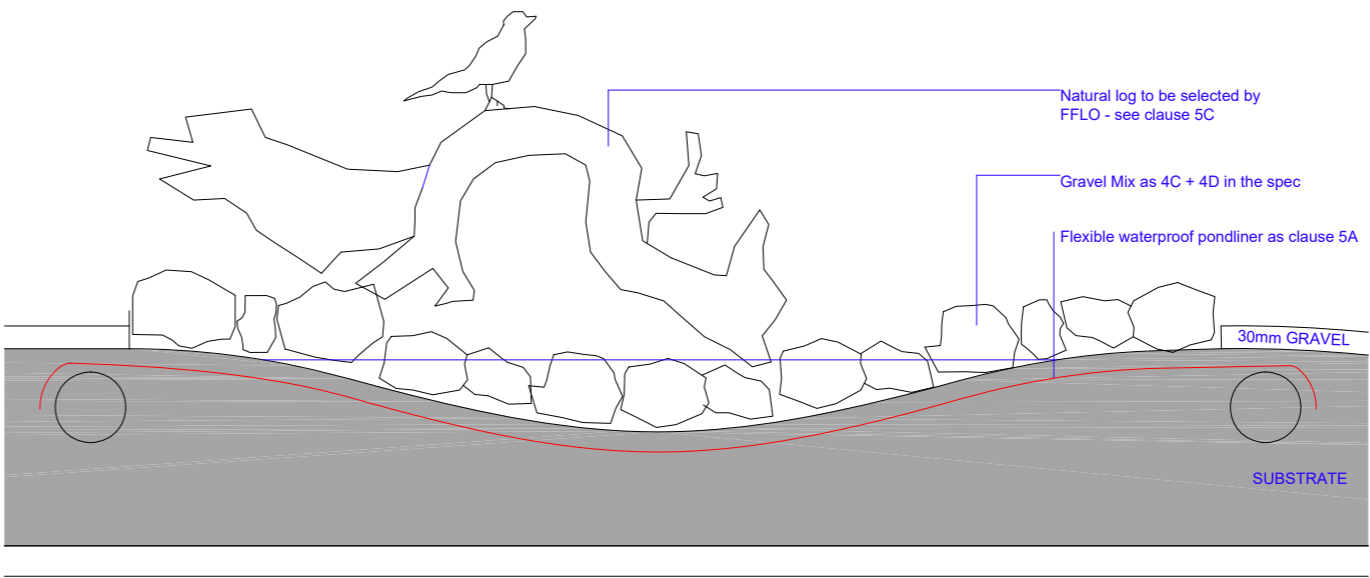
Project No. 192.00
Scale 1:100 @ A1 Date 30/11/2022

FFLO Landscape

27 Upper St, Tunbridge Wells, TN4 8NX
Email: james@fflo.co.uk Tel: 01892512699



TWP - Temporary Water Body Plan 1:5@A1



TWP - Temporary Water Body Detail 1:5@A1

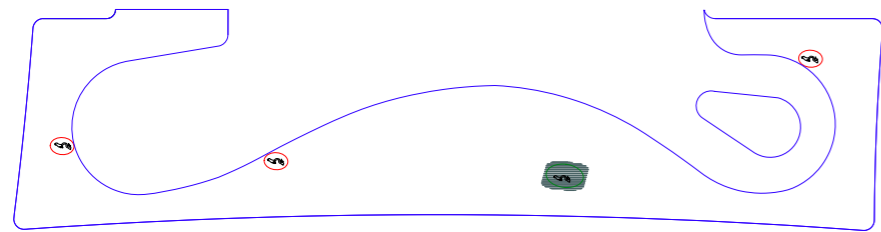
**Network Building
Biodiverse Details - Temporary Water
Body and aggregate size**

Project No. 192.05
Scale as shown @ A1 Date 23/11/2022

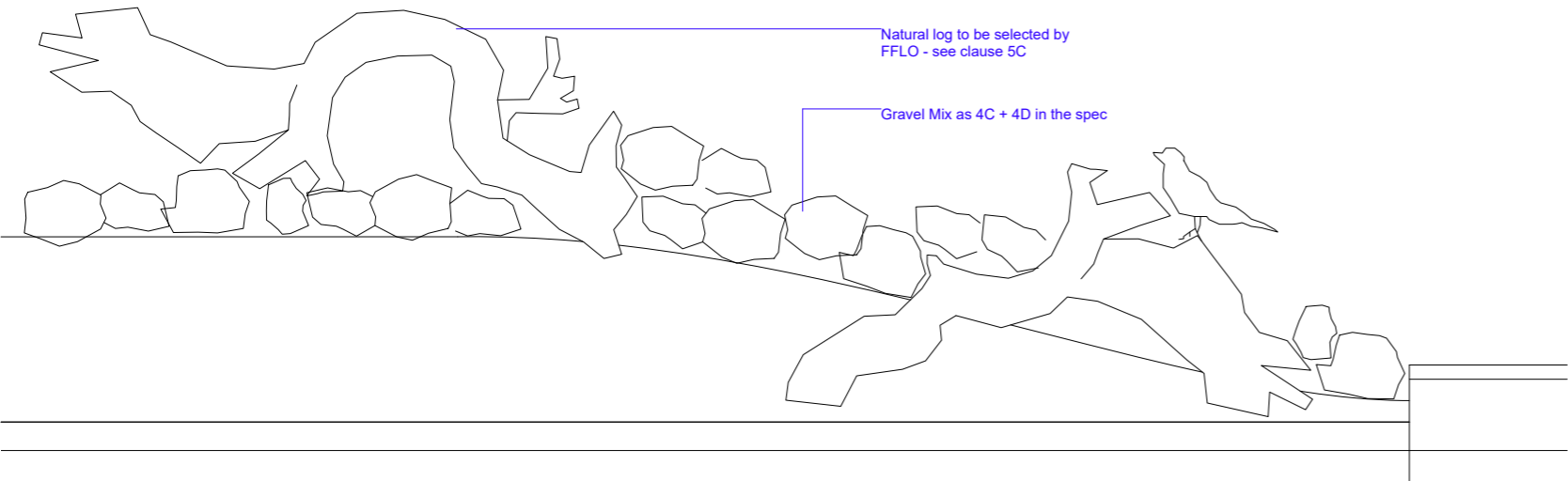
FFLO Landscape

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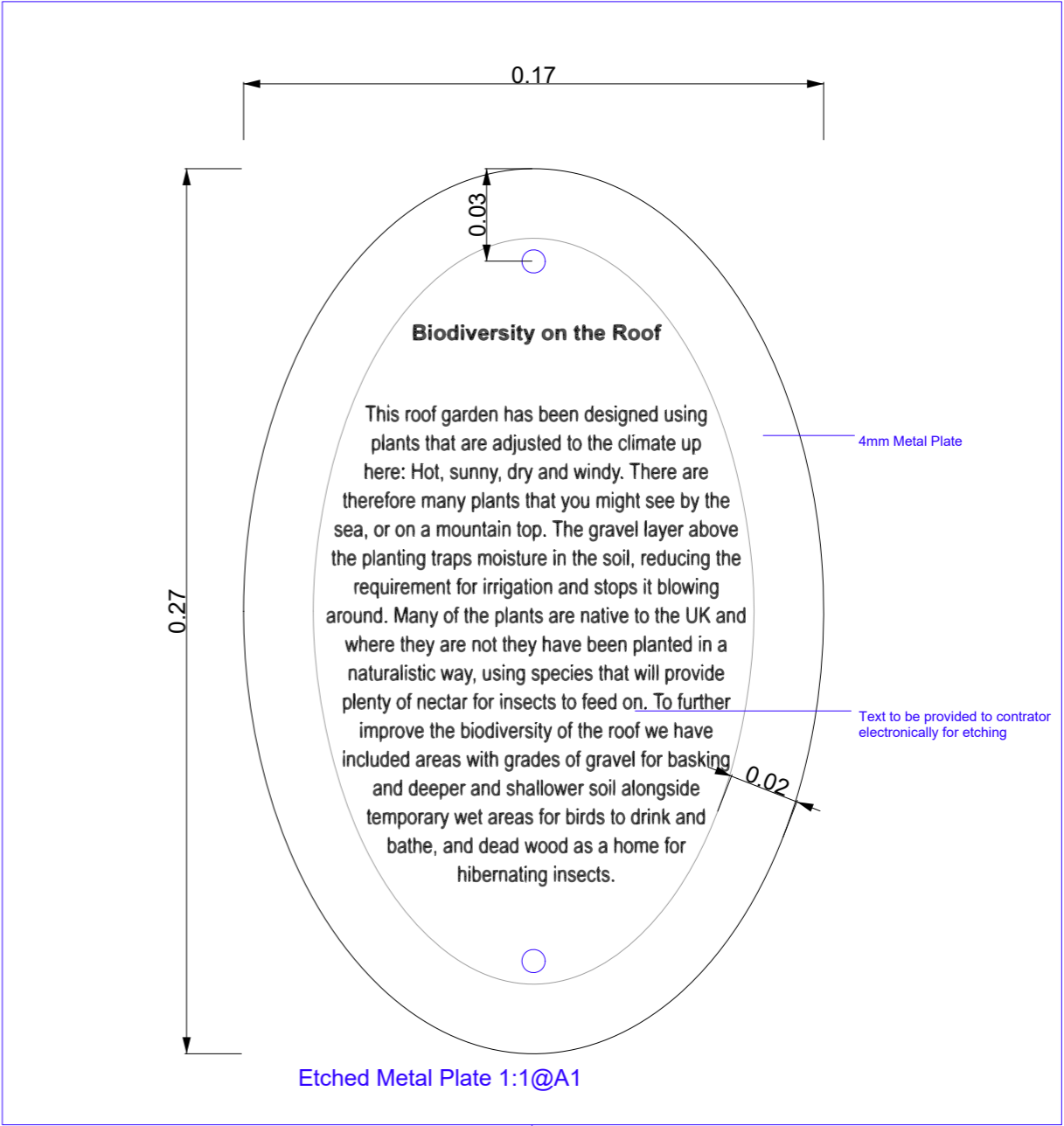
Condition 15, Part E: Use of bespoke invertebrate habitats - evidence



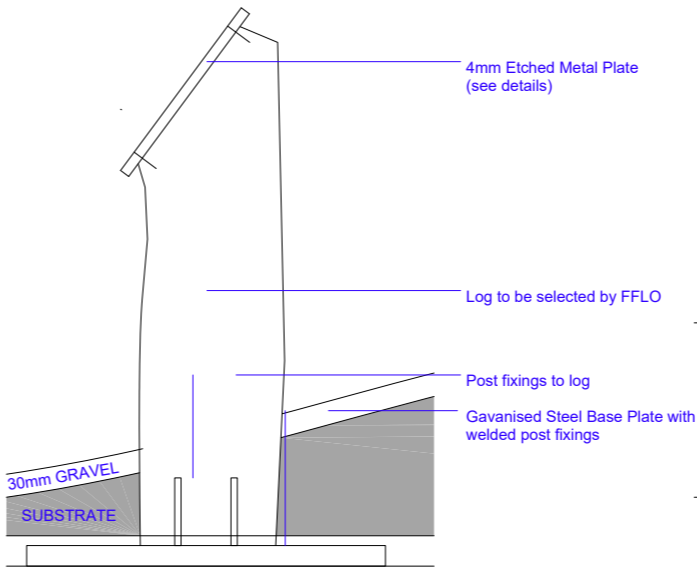
Areas of Stone and deadwood for biodiversity 1:200@A1



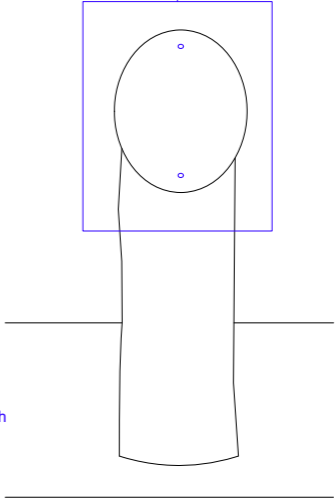
Etched Metal Plate 1:1@A1



Etched Metal Plate 1:1@A1



IP - Interpretation Post Detail 1:5@A1



IP - Interpretation Post Elevation 1:5@A1

Network Building
Biodiverse Details - Deadwood and
Interpretation Post

Project No. 192.06
Scale as shown @ A1 Date 30/11/2022

FFLO Landscape

27 Upper St, Tunbridge Wells, TN4 8NX
Email: james@fflo.co.uk Tel: 01892512699

Condition 15, Part E: Use of bespoke invertebrate habitats - evidence

4c, Specialist gravels for Biodiverse roof features:

50% 20mm Dorset stone chippings
30% 10mm Dorset stone chippings
20% dorset limestone dust

Laying: This gravel is to be laid on site together with the landscape architect (an artistic collaboration). Please give two weeks notice to allow LA to attend. Please allow for some give and take ie. Not all material may be used or some small amount of additional material may be requested in order to achieve the desired effect.
Conditions: Handle in the driest condition possible. Do not handle or install when wet or frozen.

4,d Stone for biodiverse roof features:

100 to 200 Dorset gabion limestone
Suggested supplier or similar approved:
Suttle Stone Quarries and
Suttle Projects Head Office
Swanworth Quarry,
Worth Matravers,
Swanage, Dorset
BH19 3LE
01929 439444
info@suttles.co.uk

Laying: These stones are to be laid on site together with the landscape architect (an artistic collaboration). Please give two weeks notice to allow LA to attend. Please allow for some give and take ie. Not all material may be used or some small amount of additional material may be requested in order to achieve the desired effect.
Conditions: Handle in the driest condition possible. Do not handle or install when wet or frozen.

5a, Biodiverse roof (wet area):

Please see drawing: 192.05_Rooftop Biodiverse details – temporary water body & aggregate size
EPDM rubber pond liner
Thickness 1.02mm
Product – contractor to submit proposals for LA approval.
Laying: Between gravel layer and growth medium layer.
Fixing at edges: Tucked below the 50mm gravel mulch layer and weighted down with the larger “specialist gravels for biodiverse roof features”
Pond liner protection layer over liner:
Aquashield protective matting from:
AquaLiners Direct
Monks Park
Monks Lane
Corsham
Wiltshire
SN13 9PH
Provisions: Do not lay irrigation lines within this area.

5b, ‘Dead Wood’ (log) features for biodiverse roof area:

Please see drawing 192.06_Rooftop Biodiverse details – deadwood & interpretation post
Selection process: Please supply photos of proposed logs for LA approval. Logs should be of a natural and picturesque form as indicated on the drawing:

Laying: This wood should be laid on site together with the landscape architect (an artistic collaboration). Please give two weeks notice to allow LA to attend. Please allow for some give and take ie. Not all material may be used or some small amount of additional material may be requested in order to achieve the desired effect.

5c, Interpretation panel/Post:

Post material: Natural timber post to match ‘dead wood’ as set out above and sized as shown on drawing: 192.06_Rooftop Biodiverse details – deadwood & interpretation post
Selection process: Please supply photos of proposed log for LA approval. Log should be of a natural and picturesque form as indicated on the drawing.

Fixing of post: Fix to galvanised steel plate resting on the drainage layer.
Artwork Plate: Stainless steel photo etched, 5mm thickness.

Artwork: Use the artwork provided on drawing “192.06_Rooftop Biodiverse details – deadwood & interpretation post” for indicative quote. Once the post has been selected we will resize as required and provide CAD for the photoetching to be made from.

Approval process: Please submit final proofs of artwork to LA prior to commissioning work.
Fixing of art work: Stainless steel slot headed screws through in to timber, holes in plate countersunk.
Finish of artwork: Free from sharp edges or burrs.

Conclusion:

From condition (15):
Full details of hard and soft landscaping, including a detailed strategy for sustainable maintenance shall be submitted to and approved in writing by the local planning authority before the relevant part of the development commences.

We have listed below how we think the information we have provided meets the condition as set out. For the detailed maintenance plan please see “The Network Building, five year maintenance and management plan FFLO Landscape Architects 25 01 21”). Please see architects drawings for details of hard landscaping.

The details shall identify how the development responds to the Urban Green Factor target of 0.3, and incorporates the recommendations of the Preliminary Ecological Appraisal (Issue 2.0 10/11/20 by The Ecology Consultancy) including:

We have provided a UGF drawing, and the basis of the calculation showing a UGF of 0.32. The corresponding planting plans support the calculation.

a. Wildlife planting to include native species and/or species of recognised wildlife value;

We have provided a full list of Wildlife planting to include native species and/or species of recognised wildlife value as agreed with the project ecologist. The list corresponds with the planting plans and schedules also provided.

b. Use of good horticultural practice including use of peat-free composts, mulches and soil conditioners;

We have provided the specification for the peat free substrate that we intend to use, and the gravel mulches.

c. A prairie style of border planting for areas of planting beds to enhance the site for birds and bats;

We have provided the rational for the planting design together with plans and schedules.

d. Installation of bird boxes for declining species such as house sparrow and starling; and

Please see architects drawings for these since they are fitted to the building.

e. Use of bespoke invertebrate habitats.

We have provided full details of habitat creation measures including wet areas, graded gravel and stone areas and provision of dead wood.