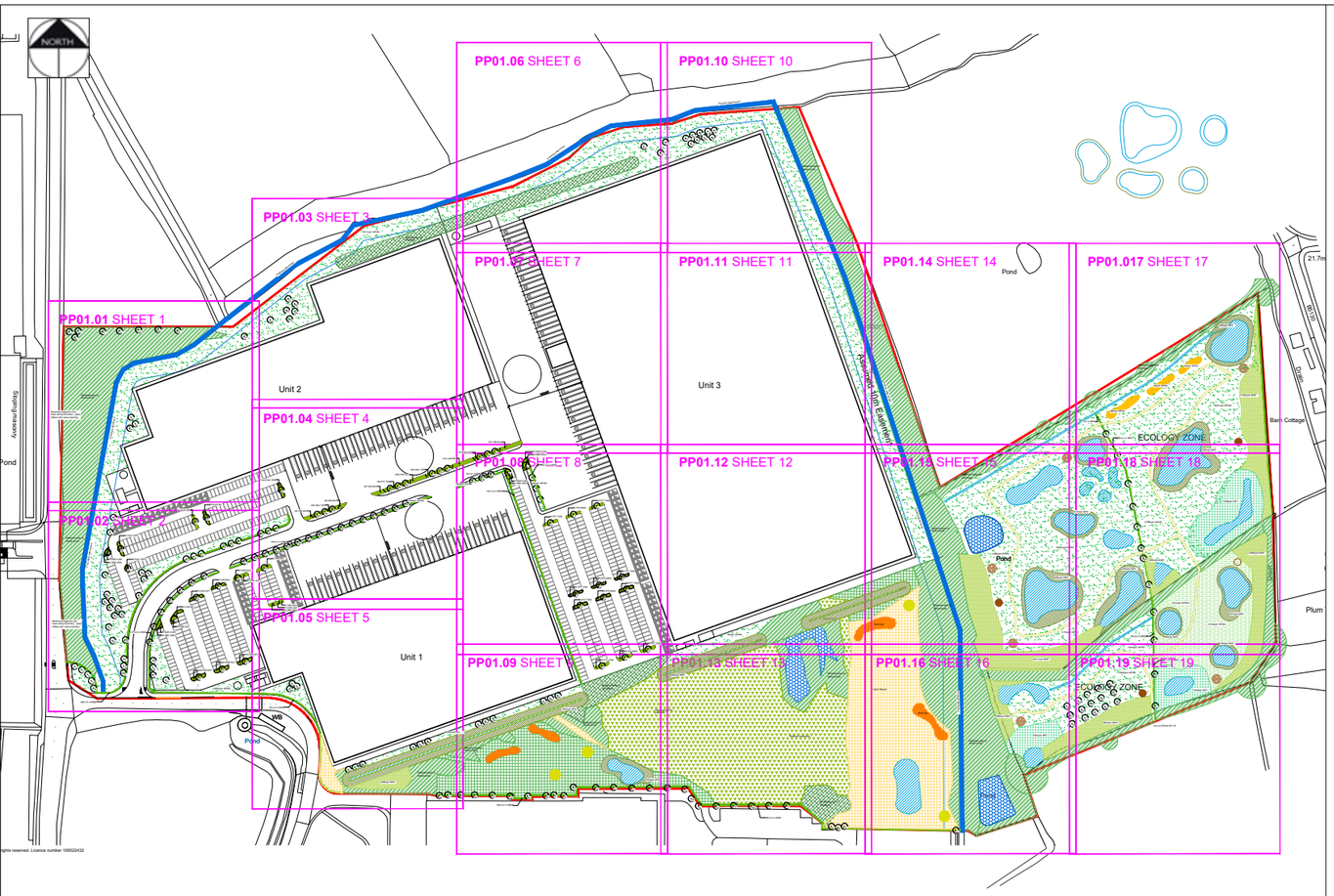
Appendix B

Planting Plan and Schedule for Phase 02



SPECIFICATION NOTES

1. General
This plan to be read in conjunction with the following documents:
- Ecology Reports by UES
- Drainage Strategy
- And any other supporting information

2. General Landscaping
Existing levels to be preserved around retained existing trees and vegetation. Existing trees and vegetation to be retained are to be protected in accordance with BS5837:2012 during construction. Proposed planting under existing trees subject to sufficient space in root areas.

3. Preparation of Planting Beds
- Rubbish, concrete, metal, glass, decayed vegetation are to be removed and disposed of off site.
- Stones with the largest dimension exceeding 40mm are to be removed from planting beds and disposed of off site.
- Substances injurious to plant growth including subsoil, rubble, fuel and lubricants should be removed and disposed of off site.
- Remove any existing weed growth.
- Areas of large root are to be grubbed up without undue disturbance of surrounding soil and adjacent areas.
- All site preparation, planting and maintenance to comply with BS 4429

4. Soil
Imported topsoil to be a good quality loam to BS 3882:2015. All topsoil areas shall be thoroughly cultivated by hand or suitable machinery to the full depth of the topsoil layer, incorporating ameliorant's as specified and/or as indicated by analysis and/or as directed by the Landscape Architect. Hand cultivation's shall be carried out to achieve the required finish on areas where machine cultivation is impossible i.e adjacent to kerbs, manholes and footpath junctions etc. Surplus plant matter, rubbish and surface stones having any dimension greater than 25 mm shall be collected and removed from the site. Existing topsoil to be stripped and re-used if suitable as per specification. All work to be carried out in line with BS 3882:2015 and DEFRA Construction Code of Practice for the Sustainable Use of Soils on Construction Sites (2009).

5. Plants
General plant stock to conform to BS 3936, advanced nursery stock and planting to BS 4428. Plants shall be first class examples of their species or variety, free from all pests and diseases, with good fibrous root systems and materially undamaged (refer to relevant sections of BS3936 rts 1-4 'Specification of Nursery Stock'). All planting operations to be in general compliance with BS4428: 1989 'Code of Practice for general landscape operations (excluding hard surfaces)'.

Carry out all planting while soil and weather conditions are suitable:
- Do not plant during periods of frost or strong winds. Plant only during the following periods:
- Container grown and root ball plants: At any time if ground and weather conditions are favourable. Ensure that adequate watering and weed control is provided
- Bare Root stock to be planted November to March.

All plants to be planted in cultivated planting beds at densities shown in plant schedule, in pits of min. size 0.3m x 0.3m x 0.3m deep so as to accommodate full root spread, backfilled with 80% clean topsoil and 20% compost and 20g granular fertilizer. All shrub beds to be in min. 450mm good quality, well prepared soil.

See Plant Schedule for species palette. Bed composition, arrangement and setting-out to be approved by Landscape Architect before work commences. Topsoil depth to be 450mm for shrub planting and 150mm for grass.

Native Hedgerow - Stock to be planted in double rows, 5 per linear metre. Trees to be protected with a 600mm spiral rabbit guard and staked. To be kept free of weeds during establishment using secured mulch matting. Bare root plants to be notch planted to depth of root collar in accordance with BS4428.

6. Trees
Trees shown on plan to be planted with species as labelled or similar approved. Do not substitute species, variety and form or reduce the specified number/density of plants without prior agreement. Note sizes shown are minimum. All trees to be planted in pits 2m x 2m x 1m deep, backfilled with 80% clean topsoil with 15% peat free tree and shrub planting compost and 5% Tree Growth Enhancer 'GroChar', including 100g granular fetilizer. Base of pit to be filled with a Terram Geotextile layer on 150mm drainage layer consisting of 20mm nominal size free draining pea gravel . Water-in heavily after planting and surface bark chippings 75mm depth. All trees to be triple staked with timber cross bar and soft ties. Any necessary tree works are to be carried out by an approved tree surgeon to BS 3998. All trees to be protected with 600mm spiral rabbit guard.

All work to be carried out in line with BS 3882:2015 and DEFRA Construction Code of Practice for the Sustainable Use of Soils on Construction Sites (2009).

7. Mulch
General purpose mulch prepared in accordance with PAS 100. All planting areas and tree pits to be mulched with 75mm (settled depth) bark mulch. Sample of mulch to be approved by Landscape Architect.

8. Wildflower Meadow Grass
Seeding shall be carried out during appropriate seasons and while soil and weather conditions are suitable for the relevant operations. Hand tools shall be used around trees, plants and in confined spaces where it is impractical to use machinery. The soil shall be weed free prior to seeding on prepared, levelled soil (minimum 150mm depth) in the areas indicated on the drawings. Sown to manufactures guidance and in accordance with Ecology recommendations.

9. Replacement of trees and vegetation
The contractor shall replace all plants/trees that have failed to thrive (show growth or display foliage) during the growing season after planting (including plants damaged during maintenance operations). Replacements to match original specification or similar size/species approved by the Landscape Architect. In particular, if any of the boundary vegetation, including those marked for retention, are to be replaced with similar size and species if they die within 5 years.

PLANTING SCHEDULE

Trees

Qty	Code	Name	Girth	Height cm	Specification
25	Ac	Acer campestre	14-16	400-450	RB 3x; Extra heavy standard; clear stem minimum 200cm; 5 breaks
37	Bp	Betual pendula	14-16	400-450	RB 3x; Extra heavy standard; clear stem minimum 200cm; 5 breaks
18	Cb	Carpinus betulus	14-16	400-450	RB 3x; Extra heavy standard; clear stem minimum 200cm; 5 breaks
7	Cf	Carpinus betulus 'Frans fontaine'	14-16	400-600	RB 3x; Extra heavy standard; clear stem minimum 200cm; 5 breaks
14	Fs	Fagus sylvestris	14-16	400-450	RB 3x; Extra heavy standard; clear stem minimum 200cm; 5 breaks
17	Ls	Liquidambar styraciflua 'Lane Roberts'	14-16	400-450	RB 3x; Semi-mature; clear stem minimum 200cm
3	Md	Malus domestica 'Discovery'	14-16	400-450	RB 3x; Extra heavy standard; clear stem minimum 175-200cm; 5 breaks
3	Ms	Malus domestica 'Sunset'	14-16	400-450	RB 3x; Extra heavy standard; clear stem minimum 175-200cm; 5 breaks
12	Pi	Pinus sylvestris		300-350	Leader with laterals; feathered to the base
3	Pd	Prunus domestica 'Victoria Plum'	14-16	400-450	RB 3x; Extra heavy standard; clear stem minimum 175-200cm; 5 breaks
3	Pa	Prunus avium 'Plena'	10-12	300-350	RB 2x; Heavy Standard; clear stem minimum 175-200cm; 4 breaks
8	Pc	Pyrus calleryana 'Chanticleer'	14-16	400--450	RB 3x; Extra heavy standard; clear stem minimum 175-200cm; 5 breaks
3	PcC	Pyrus communis 'Conference'	14-16	400-450	RB 3x; Extra heavy standard; clear stem minimum 175-200cm; 5 breaks
3	PcB	Pyrus communis 'Beth'	14-16	400-450	RB 3x; Extra heavy standard; clear stem minimum 175-200cm; 5 breaks
14	Qr	Quercus robur	14-16	400-450	RB 3x; Extra heavy standard; clear stem minimum 200cm; 5 breaks
7	Qu	Quercus rubra	14-16	400-450	RB 3x; Extra heavy standard; clear stem minimum 200cm; 5 breaks
9	Sa	Sorbus aucuparia	14-16	400-450	RB 3x; Extra heavy standard; clear stem minimum 200cm; 5 breaks
21	Tc	Tilia cordata 'Greenspire'	14-16	400-450	RB 3x; Extra heavy standard; clear stem minimum 200cm; 5 breaks

NWP - Native Woodland Planting (random mix 1 per m^2)
Total Area On Site (m^2)
5925

Qty	% Mix	Name	Size cm	Root Cond.	Density / Spacing	Specification
593	10	Betula pendula	60-90	B	1/m2	Transplant (seed-raised), 1+1
593	10	Corylus avellana	60-90	B	1/m^2	Transplant (seed-raised), 1+1
889	15	Crataegus monogyna	60-90	B	1/m^2	Transplant (seed-raised), 1+1
296	5	Ilex aquifolium	40-60	2L pot	1/m2	Leader with laterals
593	10	Sorbus aucuparia	60-90	B	1/m2	Transplant (seed-raised), 1+1
593	10	Prunus avium	60-90	B	1/m2	Transplant (seed-raised), 1+1
296	5	Prunus spinosa	60-90	B	1/m^2	Transplant (seed-raised), 1+1
889	15	Quercus robur	60-90	B	1/m2	Transplant (seed-raised), 1+1
296	5	Rosa canina	60-90	B	1/m2	Transplant (seed-raised), 1+1
889	15	Viburnum opulus	60-90	B	1/m2	Transplant (seed-raised), 1+1

MNH - Mixed Native Hedge
Total Length On Site 1772 Lin m

No. of Plants	% Mix	Species	Size in cm	Root Cond.	Density / Spacing	Specification
8860	MNH	Mixed Native Hedge				
1329	15	Crataegus monogyna	60-90	B	5/m2	Transplant (seed-raised), 1+1
1329	15	Corylus avellana	60-90	B	5/m2	Transplant (seed-raised), 1+1
1329	15	Ilex aquifolium	40-60	2L	5/m2	Leader with laterals
443	5	Lonicera periclymenum	60-80	2L	5/m2	Caned: several breaks
886	10	Malus sylvetris	60-90	B	5/m2	Transplant (seed-raised), 1+1
886	10	Prunus spinosa	60-90	B	5/m2	Transplant (seed-raised), 1+1
443	5	Rosa arvensis	60-90	B	5/m2	Transplant (seed-raised), 1+1
443	5	Rosa canina	60-90	B	5/m2	Transplant (seed-raised), 1+1
886	10	Sambucus nigra	60-90	B	5/m2	Transplant (seed-raised), 1+1
886	10	Viburnum opulus	60-90	B	5/m2	Transplant (seed-raised), 1+1

Wildflower Meadow Planting

Code	Area (m2)	Seed Mix Specification	Sowing Rate (g/m^2)
WFM1	240	N4F Summer flowering Butterfly and Bee Mix	1.5g/m2 sow to suppliers recommendations
WFM2	5228	Emorsgate EM10 Tussock Mixture	4g/m2 sow to suppliers recommendations

Grassland Meadow Planting

Code	Area (m2)	Seed Mix Specification	Sowing Rate (g/m^2)
WFM3	24,480	Emorsgate EM3 Special General Purpose Meadow Mixture	Suppliers recommendations.

MP - Marginal Planting

Code	Area (m2)	Seed Mix Specification	Sowing Rate (g/m^2)
MP1	2432	Naturescape N7F Wetland Mix	1.5g/m2. sow to suppliers recommendations
MP2	4235	Species mix to include Mentha aquatica, Myosotis scorpioides, Veronica beccabunga, Nasturtium officinale, Iris pseudacorus, Glyceria maxima, Carex riparia, Carex pseudocyperus	To Ecologists recommendations

SHRUBS
Shrub bed composition to be laid out and agreed with Landscape Architect prior to planting

Qty	Abbrev.	Name	Rate / m2	Height	Container Size	Specification
259	ABE GRA	Abelia grandiflora	5	30-40	3L	Bushy; 3 breaks
257	CHO AZT	Choisya Aztec Pearl	5	30-40	3L	Bushy; 5 breaks
155	EUO SIL	Euonymus @Silver Queen'	5	30-40	3L	Bushy; 5 breaks
245	HEB SUT	Hebe pinguifolia 'sutherlandii'	5	20-30D	3L	Bushy; 5 breaks
410	LON NIT	Lonicera nitida	5	30-40	3L	Bushy; 5 breaks
297	PHI MAN	Philadelphus 'Manteau d'hermine'	5	30-40	3L	Branched; 4 breaks
757	PIT TOM	Pittosporum tenuifolium 'Tom thumb'	5	20-30	5L	Bushy; 5 breaks
545	PAC TER	Pachysandra terminalis	7	20-30	3L	Bushy; 4 breaks
362	SAR CON	Sarcococca confusa	5	20-30	3L	Bushy; 6 breaks
488	VIB DAV	Viburnum davidii	5	20-30	3L	Bushy; 3 brks

Rev	Date	Description	Initials
P5	09.01.24	Additional ponds added to the ecological area	KLJ
P4	27.03.23	Updated SuDS ponds	KLJ
P3	25.10.22	Revised to Architects layout	KLJ
P2	14.09.22	Marginal planting to ponds	KLJ
P1	26.08.22	Initial Issue	KLJ

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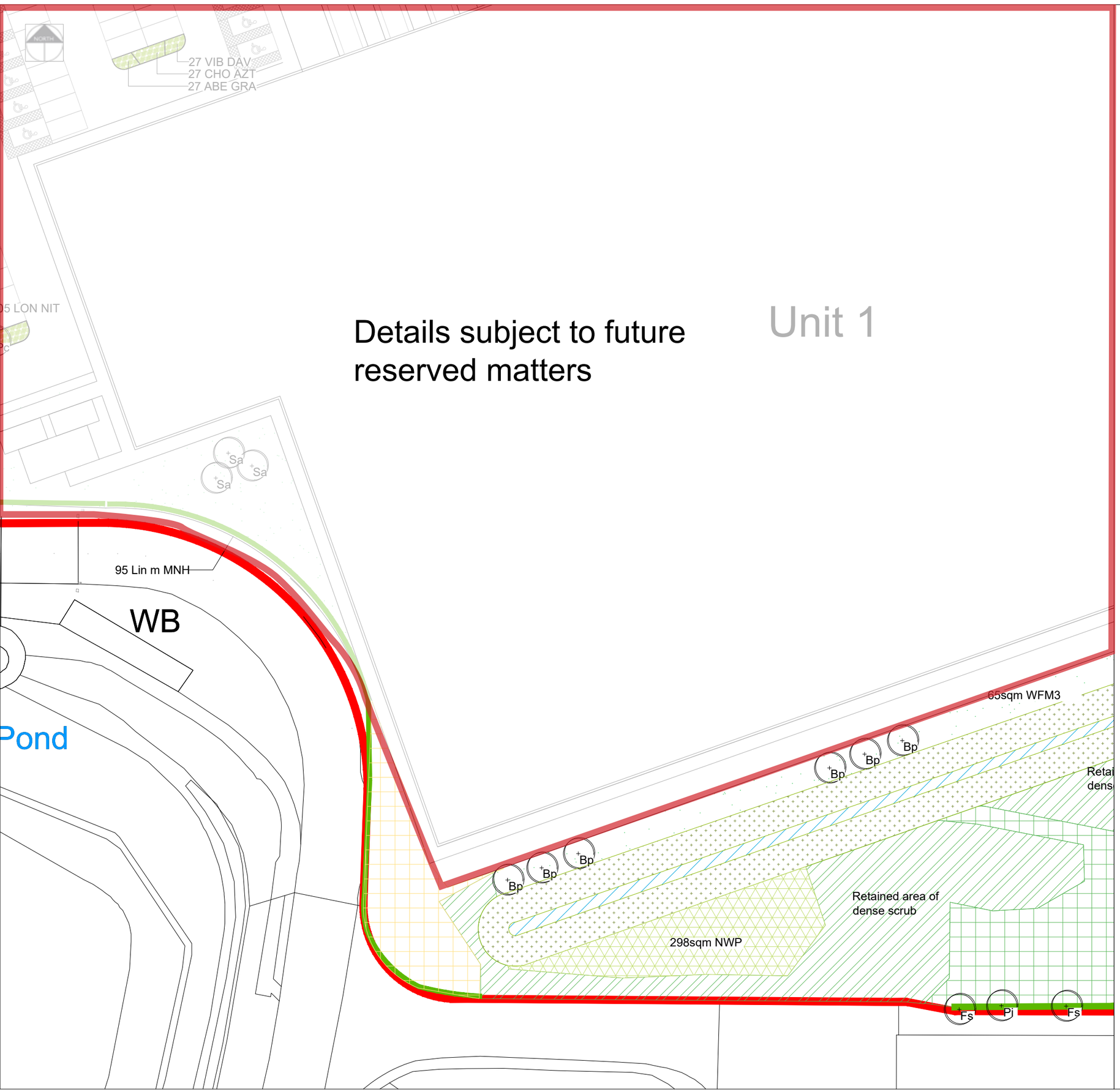
Project
3A, KINGMOOR, WREXHAM

Description
PLANTING PLAN AND SCHEDULE

Status
FOR PLANNING

Scale	Drawn	Checked	Date
1:1500@A1	KLJ	PGG	OCT 2022
Job number	**Drawing number**		**Revision**
WRE2206	PP01.00		P5

Original size 100mm @ A1



Details subject to future reserved matters

Unit 1

KEY

- EXISTING VEGETATION - DENSE SCRUB
  Please refer to the ecology report for details on species
- EXISTING VEGETATION - WOODLAND
  Please refer to the ecology report for details on species
- EXISTING GRASSLAND
  Areas of grassland to be retained. Please refer to the ecology report for details
- EXISTING PONDS
  Ponds to be retained
- PROPOSED PONDS
  Refer to Ecology Report for further details
- MARSHY WET GRASSLAND
  Refer to planting schedule for species and quantities and Ecology Report
- WILDFLOWER GRASSLAND
  Refer to planting schedule for details on species and quantities
- TALL TUSSOCKY GRASSLAND
  Refer to planting schedule for details on species and quantities
- MIXED NATIVE HEDGEROW
  Refer to planting schedule for details on species and quantities
- BUTTERFLY / BEETLE WILDFLOWER MOUND
  South facing mound planted in a wildflower mix. Refer to planting schedule for details on species and quantities
- TREES
  Refer to planting schedule for details on species and quantities
- WET DITCH
- PATH
  Maintained short grassland path
- AMPHIBIAN AND REPTILE HIBERNACULA
  Refer to Ecology Report for further information
- LOG PILE
- MARGINAL PLANTING
  Refer to planting schedule for details and quantities
- DENSE SCRUB
  Native whip planting. Refer to planting schedule for details and quantities
- RETAINED DISTURBED AREAS
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- OPEN MOSAIC GROUND
  Areas of existing hardstanding / gravel to be broken up & allowed to naturally colonise with wildflower and scrub. Refer to UES Ecology Report for further details
- SANDBANKS
  Unvegetated sandbanks
- AMPHIBIAN HIBERNACLA
- PROPOSED SHRUB BED
  Please refer to the planting schedule for further details on species, quantities and nursery grades

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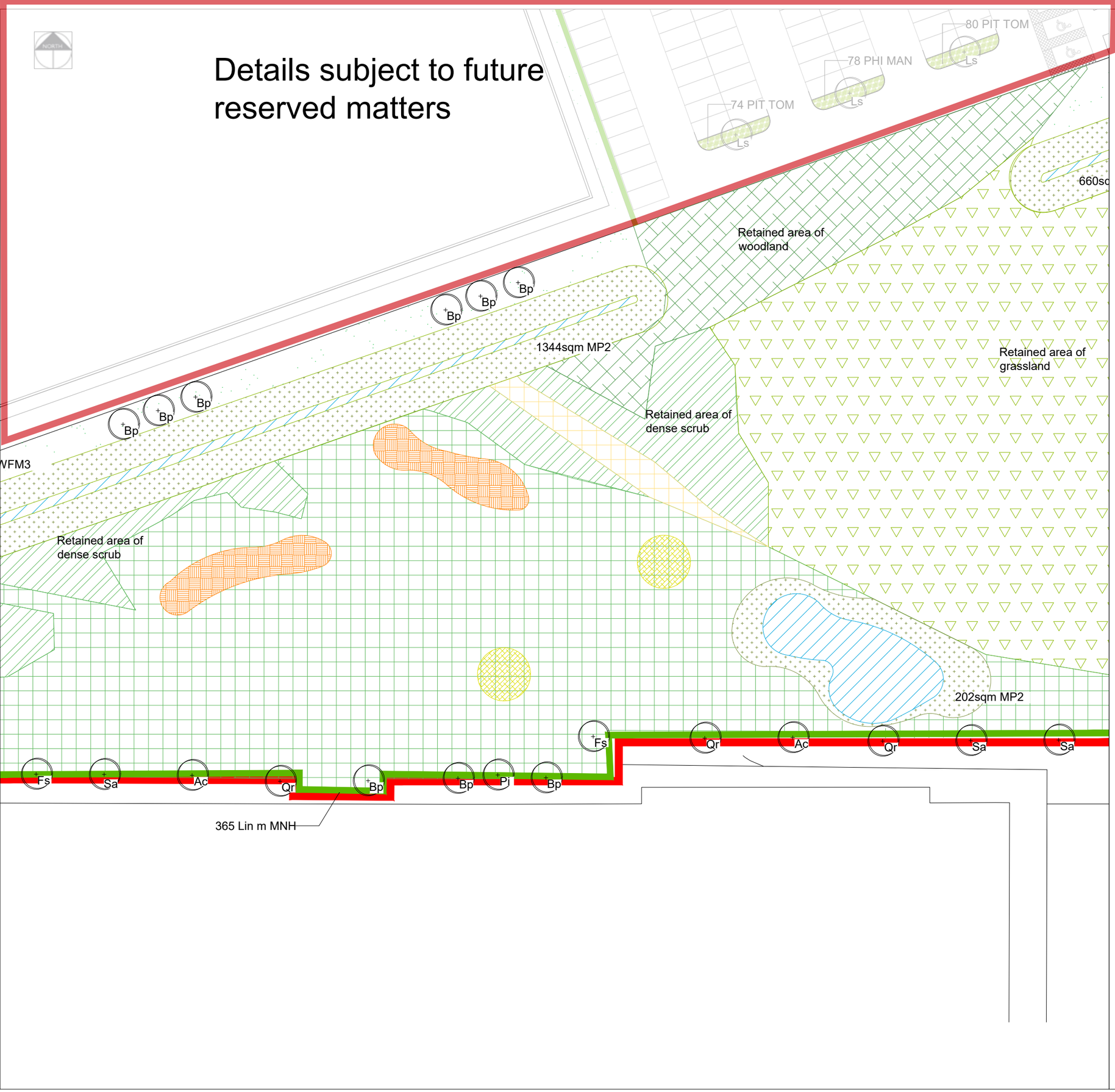
Description
PLANTING PLAN
SHEET 5

Status
FOR PLANNING

Scale	Drawn	Checked	Date
1:250@A1	KLJ	PGG	AUG 2022

Job number	Drawing number	Revision
WRE2206	PP01.05	P5

Original size 100mm @ A1



KEY

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Client
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Project
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Description
PLANTING PLAN
SHEET 9

Status
FOR DISCUSSION

Scale	Drawn	Checked	Date
1:250@A1	KLJ	PGG	AUG 2022

Job number	Drawing number	Revision
WRE2206	PP01.09	P5

Original size 100mm @ A1

Details subject to future reserved matters

55sqm WFM3

660sqm MP2

KEY

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Description
PLANTING PLAN

SHEET 12

Status
FOR PLANNING

Scale	Drawn	Checked	Date
1:250@A1	KLJ	PGG	OCT 2022

Job number	Drawing number	Revision
WRE2206	PP01.12	P5

Original size 100mm @ A1

Details subject to future reserved matters

660sqm MP2

Retained area of dense scrub

Retained area of grassland

Retained grassland

MP2

Retained area of woodland

366 Lin m MNH

Sa Fs Ac Fs Fs Ac Sa Qr Fs Pi Pj Pi

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Description
PLANTING PLAN

SHEET 13

Status
FOR PLANNING

Scale	Drawn	Checked	Date
1:250@A1	KLJ	PGG	OCT 2022

Job number	Drawing number	Revision
WRE2206	PP01.13	P5

Original size 100mm @ A1

Details subject to future reserved matters

Retained hedgerow and trees

1251sqm WFM3

Existing watercourse

Retained area of dense scrub

147sqm

6222sqm WFM3

1398sqm WFM3

Pond

458sqm MP2

Retained area of dense scrub

Sand pile

1175sqm WFM3

2011sqm NWP

KEY

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  Native whip planting. Refer to planting schedule for details and quantities
- RETAINED DISTURBED AREAS
  Areas of open mosaic disturbed ground with scattered scrub to remain as existing. Refer to UE Ecology Report for further details
- OPEN MOSAIC GROUND
  Areas of existing hardstanding / gravel to be broken up & allowed to naturally colonise with wildflower and scrub. Refer to UES Ecology Report for further details
- SANDBANKS
  Unvegetated sandbanks
- AMPHIBIAN HIBERNACLA
- PROPOSED SHRUB BED
  Please refer to the planting schedule for further details on species, quantities and nursery grades

Rev	Date	Description	Initials
P5	09.01.24	Additional ponds added to the ecological area	KLJ
P4	27.03.23	Updated SuDS ponds	KLJ
P3	01.11.22	Revised to Architects layout + Drainage Strategy	KLJ
P2	14.09.22	Marginal planting to ponds	KLJ
P1	26.08.22	Initial Issue	KLJ

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Project
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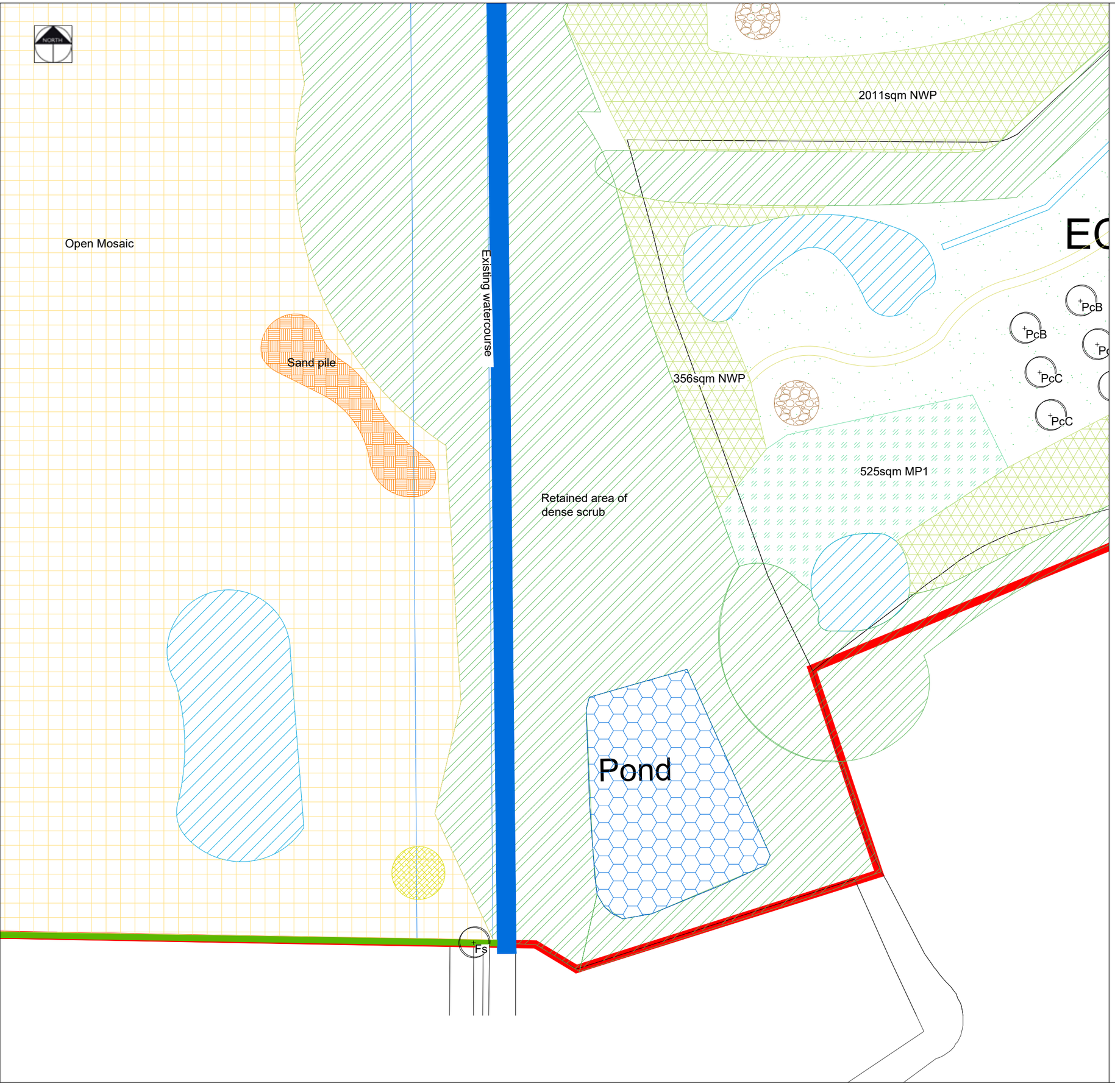
Description
PLANTING PLAN
SHEET 15

Status
FOR PLANNING

Scale	Drawn	Checked	Date
1:250@A1	KLJ	PGG	OCT 2022

Job number	Drawing number	Revision
WRE2206	PP01.15	P5

Original size 100mm @ A1



KEY

- EXISTING VEGETATION - DENSE SCRUB
  Please refer to the ecology report for details on species
- EXISTING VEGETATION - WOODLAND
  Please refer to the ecology report for details on species
- EXISTING GRASSLAND
  Areas of grassland to be retained. Please refer to the ecology report for details
- EXISTING PONDS
  Ponds to be retained
- PROPOSED PONDS
  Refer to Ecology Report for further details
- MARSHY WET GRASSLAND
  Refer to planting schedule for species and quantities and Ecology Report
- WILDFLOWER GRASSLAND
  Refer to planting schedule for details on species and quantities
- TALL TUSSOCKY GRASSLAND
  Refer to planting schedule for details on species and quantities
- MIXED NATIVE HEDGEROW
  Refer to planting schedule for details on species and quantities
- BUTTERFLY / BEETLE WILDFLOWER MOUND
  South facing mound planted in a wildflower mix. Refer to planting schedule for details on species and quantities
- TREES
  Refer to planting schedule for details on species and quantities
- WET DITCH
- PATH
  Maintained short grassland path
- AMPHIBIAN AND REPTILE HIBERNACULA
  Refer to Ecology Report for further information
- LOG PILE
- MARGINAL PLANTING
  Refer to planting schedule for details and quantities
- DENSE SCRUB
  Native whip planting. Refer to planting schedule for details and quantities
- RETAINED DISTURBED AREAS
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Rev	Date	Description	Initials
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Project
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Description
PLANTING PLAN
SHEET 16

Status
FOR PLANNING

Scale	Drawn	Checked	Date
1:250@A1	KLJ	PGG	OCT 2022

Job number	Drawing number	Revision
WRE2206	PP01.16	P5

Original size 100mm @ A1