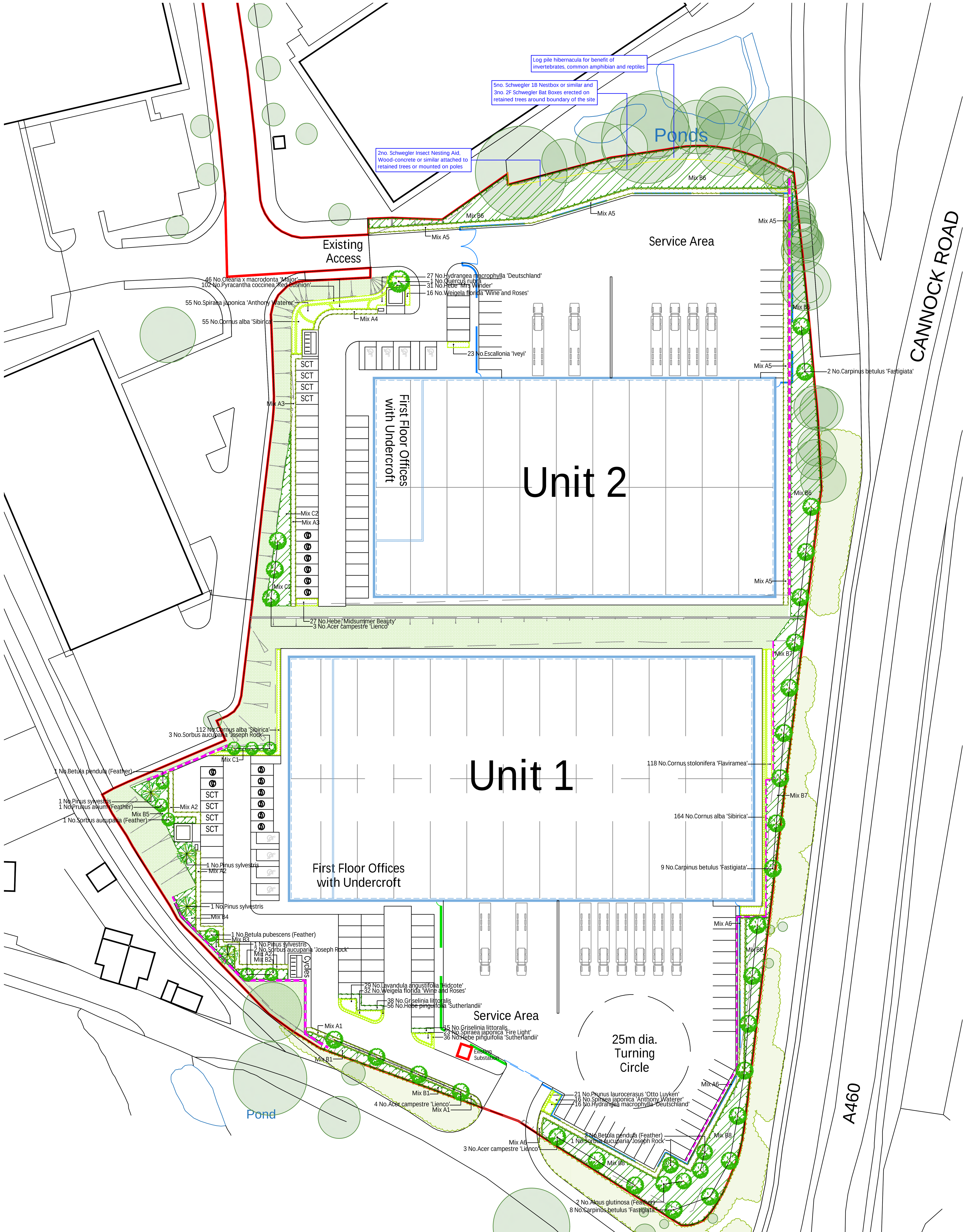

detailed soft landscape - hilton cross south

KEY:

- Boundary
- Existing trees
- Existing vegetation
- Proposed tree planting
- Proposed amenity planting
- Proposed native planting
- Proposed native hedgerow
- Proposed Emorsgate EM7 Hydroseeded
- Buildings

ZLA_1036-L-201-D Plant Schedule

Trees (Advanced Stock)

Species Name	Height	Girth	Specification	No. Plants
Carpinus betulus 'Fastigiata'	min. 450cm	16-18cm	Advanced Nursery Stock :Clear Stem min. 200 :4x :RB	19 -
Quercus rubra	min. 450cm	16-18cm	Advanced Nursery Stock :Clear Stem min. 200 :4x :RB	1 -

Trees (Standards)

Species Name	Height	Girth	Specification	No. Plants
Acer campestre 'Lienco'	400-450cm	14-16cm	Extra Heavy Standard :Clear Stem 175-200 :5 brks :3x :RB	10 -

Trees (Feathered)

Species Name	Height	Girth	Specification	No. Plants
Alnus glutinosa (Feather)	200-250cm	10-12cm	Feather :5 brks :2x :BR	2 -
Betula pendula (Feather)	200-250cm	10-12cm	Feather :5 brks :2x :BR	3 -
Betula pubescens (Feather)	200-250cm	10-12cm	Feather :5 brks :2x :BR	1 -
Prunus avium (Feather)	200-250cm	10-12cm	Feather :5 brks :2x :BR	1 -
Sorbus aucuparia 'Joseph Rock'	200-250cm	10-12cm	Feather :5 brks :2x :BR	6 -
Sorbus aucuparia (Feather)	200-250cm	10-12cm	Feather :5 brks :2x :BR	1 -

Conifers

Species Name	Height	Specification	Pot Size	Layout	No. Plants
Pinus sylvestris	250-300cm	Leaders and laterals :4x :RB		Counted	4 -
Pinus sylvestris (3L)	40-60cm	Leaders and laterals :C	3L	2/m²	84 -

Trees (Whip)

Species Name	Height	Specification	Layout	No. Plants
Acer campestre (whip)	60-80cm	1+1 or 1/1 :Whip :BR	2/m²	489 -
Acer campestre (whip)	60-80cm	1+1 or 1/1 :Whip :BR	5/m	166 -
Amelanchier lamarckii (whip)	60-80cm	1+1 or 1/1 :Whip :3 brks :BR	2/m²	409 -
Corylus avellana (whip)	60-80cm	1+2 or 1/2 :Whip :Branched :3 brks :BR	2/m²	489 -
Corylus avellana (whip)	60-80cm	1+2 or 1/2 :Whip :Branched :3 brks :BR	5/m	214 -
Crataegus monogyna (whip)	80-100cm	1+1 or 1/1 :Whip :Branched :BR	5/m	1410 -
Prunus avium (whip)	80-100cm	1+1 :Whip :BR	5/m	120 -

Shrubs (Whip)

Species Name	Height	Specification	Layout	No. Plants
Cornus sanguinea (whip)	60-80cm	1+2 or 1/2 :Whip :Branched :3 brks :BR	2/m²	703 -
Cornus stolonifera 'Flaviramea' (whip)	60-80cm	1+2 :Whip :Branched :3 brks :BR	2/m²	52 -
Prunus spinosa (whip)	80-100cm	1+2 or 1/2 :Whip :Branched :3 brks :BR	5/m	166 -
Rosa canina	60-80cm	1+1 or 1/1 :Whip :Branched :3 brks :BR	5/m	166 -
Rosa canina	60-80cm	1+1 or 1/1 :Whip :Branched :3 brks :BR	2/m²	40 -
Rosa rubrifolia	60-80cm	1+1 or 1/1 :Whip :Branched :3 brks :BR	2/m²	409 -
Sambucus nigra (whip)	80-100cm	0/2 :Whip :Branched :3 brks :BR	2/m²	489 -
Viburnum opulus (whip)	60-80cm	1+2 or 1/2 :Whip :Branched :3 brks :BR	2/m²	611 -

Shrubs

Species Name	Height	Specification	Pot Size	Layout	No. Plants
Cornus alba 'Sibirica'	40-60cm	Branched :3 brks :C	3L	3/m²	331 -
Cornus stolonifera 'Flaviramea'	40-60cm	Branched :3 brks :C	3L	3/m²	118 -
Cotoneaster x watereri	40-60cm	Branched :2 brks :C	2L	2/m²	22 -
Cytisus scoparius	40-60cm	Bushy :7 brks :C	3L	2/m²	26 -
Escallonia 'Iveyi'	30-40cm	Bushy :4 brks :C	3L	3/m²	23 -
Euonymus europaeus	40-60cm	Branched :3 brks :C	2L	2/m²	320 -
Griselinia littoralis	40-60cm	Branched :3 brks :C	3L	3/m	53 -
Hebe 'Midsummer Beauty'	30-40cm	Bushy :4 brks :C	3L	3/m²	27 -
Hebe 'Mrs Winder'	30-40cm	Bushy :4 brks :C	3L	3/m²	31 -
Hebe pinguifolia 'Sutherlandii'	30-40cm	Bushy :4 brks :C	3L	4/m	92 -
Hydrangea macrophylla 'Deutschland'	30-40cm	Branched :3 brks :C	3L	3/m²	43 -
Ilex aquifolium	40-60cm	Bushy :3 brks :C	2L	2/m²	207 -
Ilex aquifolium	40-60cm	Bushy :3 brks :C	2L	5/m	120 -
Lavandula angustifolia 'Hidcote'	30-40cm	Bushy :5 brks :C	5L	3/m²	29 -
Olearia x macrodonta 'Major'	30-40cm	Bushy :3 brks :C	3L	3/m²	46 -
Prunus laurocerasus 'Otto Luyken'	30-40cm	Branched :3 brks :C	3L	4/m	21 -
Pyracantha coccinea 'Red Cushion'	30-40cm	Branched :3 brks :C	3L	3/m²	102 -
Spiraea japonica 'Anthony Waterer'	30-40cm	Bushy :5 brks :C	5L	3/m²	71 -
Spiraea japonica 'Fire Light'	30-40cm	Bushy :3 brks :C	3L	3/m²	23 -
Weigela florida 'Wine and Roses'	40-60cm	Branched :3 brks :C	3L	3/m²	48 -

Mix A1
15 No. Acer campestre (whip)
20 No. Corylus avellana (whip)
127 No. Crataegus monogyna (whip)
11 No. Ilex aquifolium
11 No. Prunus avium (whip)
15 No. Prunus spinosa (whip)
15 No. Rosa canina

Mix A2
24 No. Acer campestre (whip)
31 No. Corylus avellana (whip)
206 No. Crataegus monogyna (whip)
18 No. Ilex aquifolium
18 No. Prunus avium (whip)
24 No. Prunus spinosa (whip)
24 No. Rosa canina

Mix A3
20 No. Acer campestre (whip)
26 No. Corylus avellana (whip)
171 No. Crataegus monogyna (whip)
15 No. Ilex aquifolium
15 No. Prunus avium (whip)
20 No. Prunus spinosa (whip)
20 No. Rosa canina

Mix A4
6 No. Acer campestre (whip)
8 No. Corylus avellana (whip)
48 No. Crataegus monogyna (whip)
4 No. Ilex aquifolium
4 No. Prunus avium (whip)
6 No. Prunus spinosa (whip)
6 No. Rosa canina

Mix A5
65 No. Acer campestre (whip)
83 No. Corylus avellana (whip)
551 No. Crataegus monogyna (whip)
46 No. Ilex aquifolium
46 No. Prunus avium (whip)
65 No. Prunus spinosa (whip)
65 No. Rosa canina

Mix A6
36 No. Acer campestre (whip)
46 No. Corylus avellana (whip)
307 No. Crataegus monogyna (whip)
26 No. Ilex aquifolium
26 No. Prunus avium (whip)
36 No. Prunus spinosa (whip)
36 No. Rosa canina

Mix B1
16 No. Acer campestre (whip)
14 No. Amelanchier lamarckii (whip)
21 No. Cornus sanguinea (whip)
16 No. Corylus avellana (whip)
10 No. Euonymus europaeus
7 No. Ilex aquifolium
3 No. Pinus sylvestris (3L)
14 No. Rosa rubrifolia
16 No. Sambucus nigra (whip)
19 No. Viburnum opulus (whip)

Mix B2
6 No. Acer campestre (whip)
5 No. Amelanchier lamarckii (whip)
8 No. Cornus sanguinea (whip)
6 No. Corylus avellana (whip)
4 No. Euonymus europaeus
3 No. Ilex aquifolium
1 No. Pinus sylvestris (3L)
5 No. Rosa rubrifolia
6 No. Sambucus nigra (whip)
7 No. Viburnum opulus (whip)

Mix B3
6 No. Acer campestre (whip)
5 No. Amelanchier lamarckii (whip)
8 No. Cornus sanguinea (whip)
6 No. Corylus avellana (whip)
4 No. Euonymus europaeus
3 No. Ilex aquifolium
1 No. Pinus sylvestris (3L)
5 No. Rosa rubrifolia
6 No. Sambucus nigra (whip)
7 No. Viburnum opulus (whip)

Mix B4
7 No. Acer campestre (whip)
6 No. Amelanchier lamarckii (whip)
9 No. Cornus sanguinea (whip)
7 No. Corylus avellana (whip)
4 No. Euonymus europaeus
3 No. Ilex aquifolium
2 No. Pinus sylvestris (3L)
6 No. Rosa rubrifolia
7 No. Sambucus nigra (whip)
8 No. Viburnum opulus (whip)

Mix B5
20 No. Acer campestre (whip)
17 No. Amelanchier lamarckii (whip)
27 No. Cornus sanguinea (whip)
20 No. Corylus avellana (whip)
12 No. Euonymus europaeus
9 No. Ilex aquifolium
4 No. Pinus sylvestris (3L)
17 No. Rosa rubrifolia
20 No. Sambucus nigra (whip)
23 No. Viburnum opulus (whip)

Mix B6
245 No. Acer campestre (whip)
205 No. Amelanchier lamarckii (whip)
327 No. Cornus sanguinea (whip)
245 No. Corylus avellana (whip)
143 No. Euonymus europaeus
103 No. Ilex aquifolium
41 No. Pinus sylvestris (3L)
205 No. Rosa rubrifolia
245 No. Sambucus nigra (whip)
286 No. Viburnum opulus (whip)

Mix B7
59 No. Acer campestre (whip)
49 No. Amelanchier lamarckii (whip)
78 No. Cornus sanguinea (whip)
59 No. Corylus avellana (whip)
35 No. Euonymus europaeus
25 No. Ilex aquifolium
10 No. Pinus sylvestris (3L)
49 No. Rosa rubrifolia
59 No. Sambucus nigra (whip)
69 No. Viburnum opulus (whip)

Mix B8
130 No. Acer campestre (whip)
108 No. Amelanchier lamarckii (whip)
173 No. Cornus sanguinea (whip)
130 No. Corylus avellana (whip)
76 No. Euonymus europaeus
54 No. Ilex aquifolium
22 No. Pinus sylvestris (3L)
108 No. Rosa rubrifolia
130 No. Sambucus nigra (whip)
152 No. Viburnum opulus (whip)

Mix C1
6 No. Cornus sanguinea (whip)
6 No. Cornus stolonifera 'Flaviramea' (whip)
3 No. Cotoneaster x watereri
3 No. Cytisus scoparius
4 No. Euonymus europaeus
5 No. Rosa canina
5 No. Viburnum opulus (whip)

Mix C2
46 No. Cornus sanguinea (whip)
46 No. Cornus stolonifera 'Flaviramea' (whip)
19 No. Cotoneaster x watereri
23 No. Cytisus scoparius
28 No. Euonymus europaeus
35 No. Rosa canina
35 No. Viburnum opulus (whip)

DRAWING NOTES

GENERAL NOTES:
- The contractor is to liaise with the main contractor to establish the position of as-built services and manhole covers prior to cultivation and excavation of planted areas and tree pits.
- If there is any conflict in the information indicated on the contract drawings, the contractor must seek clarification from all the design consultants involved.
- All trees, planting and grass areas will be subject to a 12-month Maintenance and 5 year Defects Liability Period.

SETTING OUT NOTES:
- All tree, amenity and structure shrub planting is to be pegged/set out for approval by the Landscape Architect prior to planting.
- Tree planting in relation to manhole covers and statutory runs is to be co-ordinated with the main contractor and in accordance with statutory guidelines, for approval by the landscape architect.
- Planting adjacent to road kerbs and path edges along roads is to be set back 300mm from the back of kerb to allow room for plants to establish and reduce trampling, but unplanted area to be mulched.
- Contact Engineers to determine specification and depth required of Root Barrier, if required before planting any trees on site.
- Planting adjacent to existing vegetation to be retained to be carefully integrated with existing planting, and cultivations evenly graded into existing levels.
- Trees are to be set out to ensure a minimum of 1.5m exists between tree stations and drains/mains lines, in accordance with BS5837. Otherwise, approved root barriers should be employed.

DENSITY NOTES:
- Amenity planting to be carried out at approximately 3no. plants per m², unless otherwise stated in the plant schedule.
- Native planting Mixes B and C to be carried out at approximately 2no. plants per m², unless otherwise stated in the plant schedule.
- Native planting to be randomly planted in groups of 8-15 no. plants of a single species and any evergreen species are to be distributed evenly throughout the planted area.
- Native hedge planting Mix A to be at 5no. plants per linear metre, double staggered, unless otherwise stated in the plant schedule.

TREE AND SHRUB NOTES:
- All planting to be planted in accordance with BS 8545
- Cultivate and weed-kill all areas to be planted/seeded as per Soft Landscape Specification.
- Ameliorate soil prior to planting. Water retaining polymer to be in planting pit only.
- All trees, Mixes A, B and C plants to be staked and protected with spiral guards/shelters.
- Tree planting in soft areas to be in topsoiled tree pits as per depths noted below.
- All planting to be bark mulched to a depth of 50mm with Melcourt's 'Ornamental Spruce'.

TOPSOIL NOTES:
- All areas to be landscaped are to be free from contaminated ground.
- All areas to be planted are to be topsoiled to a depth of 400mm.
- All areas to be seeded are to be subsoiled to a depth of 50mm.
- Ensure adequate growing medium exists to provide sustained healthy plant growth beyond the Defects Liability Period.

TREE PIT NOTES:
- All trees are to be planted in tree pits and topsoiled to the following dimensions:
- Advanced stock trees - 1200mm x 1200mm x 900mm deep
- Extra Heavy Standard trees - 1200mm x 1200mm x 900mm deep
- Feathered trees - 900mm x 900mm x 450mm deep
- Excavated material: Separate topsoil and subsoil material and stockpile for backfilling.
- Pit bottoms: Excavate with slightly raised centre: Break up base to a depth of 100 mm.
- Treatment: Soil ameliorant worked into pit bottoms.
- Pit sides: Scarify
- Retain topsoil for re-use where specified.
- In sloping ground, maintain horizontal bases and vertical sides with no less than minimum depth throughout.
- Backfill with clean topsoil either salvaged or imported to BS2882: 2007.
- Soil/compost % - 80:20 on medium soils; 50;50 on sandy soil; 70;30 on clay soils; Water storing polymer may not be necessary on naturally damp soils; i.e. heavy clays.
- Fertiliser (gms) /Water storing polymer (gms) per tree pit as follows
  - -Advanced stock trees 300gms/1000gms
  - -Extra Heavy Standard trees 200gms/500gms
  - -Feathered trees 100gms/150gms

TREE STAKES:
- Stakes: Stakes to be pressure impregnated softwood (not with creosote or tar), round or half round as specified, straight, peeled, free from projections and large or end knots, pointed at one end.
- Preservative treatment: Not required.
- Size: minimum length and thickness as shown below:
  -Advanced stock & EHS trees - 125mm min dia, 2m total length, 600mm above ground; 2no. stakes, 1no. cross bar and 1 tree tie
  -Feathered trees -50mm min dia, 1.6m total length, 600mm above ground; 1no. stake and 1 tree tie.

EXISTING GRASS AREAS:
- Disturbed grass areas are to be cultivated to a fine tilth and seeded.
- Undisturbed grass areas are to be scarified and over-seeded where necessary.

WILDFLOWER NOTES:
- All wildflower areas to be seeded with Emorsgate seed mix EM7 - meadow mixture for sandy soils. To be sown as per manufacturers recommendations. Web: www.wildseed.co.uk

STRIP OF EXISTING TOPSOIL:
- The site topsoil which is to be retained for later use shall be stripped and stockpiled.
- The following method shall be used:
- During suitable dry weather conditions, the existing vegetation shall be treated with herbicide as directed.
- Site to be cleared of foreign materials.
- During suitable dry weather conditions, topsoil to be stripped down to its full natural depth, taking care to avoid contamination with subsoil or other foreign materials.
- Excavated topsoil unsuitable to be reused as topsoil shall be stored separately and used as subsoil.

TOPSOIL STORAGE:
- Topsoil which has been stripped and stored before use in the works shall not have been stacked in heaps higher than 1.5m for more than four weeks.
- Stored topsoil shall not have become waterlogged, compacted or destructured.

IMPORTED TOPSOIL FOR ALL SOFT LANDSCAPE FINISHES:
- Provide topsoil to BS3882: 2007 as necessary to make up any deficiency of topsoil existing on site and to complete the work.

SAMPLE LOAD OF IMPORTED TOPSOIL:
- Deliver to site a sample load of not less than 5m³.
- Give notice to all CA to inspect before making further deliveries to site.
- Retain sample for comparison with subsequent loads.

DEFICIENT TOPSOIL:
- Any topsoil offered which is deficient in nutrient levels as required by BS3882:1994 but which otherwise conforms to the specification, may be acceptable providing suitable adjustments are made with the addition of organic and inorganic fertilisers to the satisfaction of the CA and entirely at the landscape contractor's expense.

CONTAMINATION:
- Do not use topsoil contaminated with subsoil, rubbish or other materials that are corrosive, explosive or flammable; hazardous to human or animal life; detrimental to healthy plant growth.
- In areas to receive topsoil, do not use subsoil contaminated with the above materials.
- Give notice to CA if any evidence or symptoms of soil contamination are discovered on the site or in topsoil to be imported.

HANDLING TOPSOIL:
- Give notice of evidence of aggressive weeds and obtain instructions before moving topsoil.
- Select and use plant to minimise disturbance, trafficking and compaction.
- Do not mix topsoil with subsoil, stone, hardcore, rubbish or material from demolition work; other grades of topsoil.
- Keep handling to a minimum and use topsoil immediately after stripping.
- Handle topsoil in the driest conditions possible and do not handle during or after heavy rainfall or when it is wetter than the plastic limit.

SPREADING TOPSOIL:
- Remove temporary roads/surfacing before spreading topsoil.
- Spread in layers of 150mm depth (max.) and gently firm each layer before spreading the next.

zebra
LANDSCAPE ARCHITECTS

BARBERRY

zla 1036
Hilton Cross
Wolverhampton

L-201
Detailed Soft Landscape
Hilton Cross South

date October 2020
status planning

rev D

A	updated to suit 19-7785-SK0002/3-P5 CDP Drainage Strategy	12/11/20
B	ecological notes added	13/11/20
C	updated to suit AJA 6588-051-B	25/11/20
D	updated to suit AJA 6588-053-E	02/02/21

N

scale 1 : 500 @ A1

0 10 20 35 m

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