Plant List

Trees

Number	Abbreviation	Species	Specification	Girth	Height	Density
13 -	ACECAM	Acer campestre	Heavy standard: RB: Double stake	12-14cm	2.5-3.0m	Counted
4 -	ACEFRE	Acer freemanii 'Autumn Blaze'	Extra heavy standard: RB: Double stake	16-18cm	4.0-4.5m	Counted
25 -	ALNGL	Alnus glutinosa	Feather: RB: Single low stake		2.5m	Counted
6 -	APPAK	Apple 'Ashmead's Kernel'	M25 rootstock: Standard RB or BR: Single stake and shelter guard		2.0m	Counted
12 -	APPED	Apple 'Eden'	MM106 rootstock: Standard RB or BR: Single stake and shelter guard		2.0m	Counted
6 -	APPKA	Apple 'Katy'	MM106 rootstock: Standard RB or BR: Single stake and shelter guard		2.0m	Counted
6 -	APPSP	Apple 'Spartan'	M25 rootstock: Standard RB or BR: Single stake and shelter guard		2.0m	Counted
9 -	APPWOP	Apple 'Worcester Pearmain'	MM106 rootstock: Standard RB or BR: Single stake and shelter guard		2.0m	Counted
11 -	BEPE	Betula pendula	Feather: RB: Single low stake		2.5m	Counted
22 -	CORAVE	Corylus avellana	Multi-Stem: RB: Single low stake		2.5-3.0m	Counted
13 -	MALEV	Malus 'Evereste'	Extra heavy standard: RB: Double stake	16-18cm	4.0-4.5m	Counted
6 -	PEACON	Pear 'Concorde'	Quince A rootstock: Standard RB: Single stake and shelter guard		2.0m	Counted
3 -	PEADDC	Pear 'Doyenne du Commice'	Quince A rootstock: Standard RB: Single stake and shelter guard		2.0m	Counted
6 -	PLUMD	Plum 'Merryweather Damson'	Saint Julian A rootstock: Standard RB or BR: Single stake and shelter guard		2.0m	Counted
3 -	PLUVI	Plum 'Victoria'	Saint Julian A rootstock: Standard RB or BR: Single stake and shelter guard		2.0m	Counted
10 -	POPTR	Populus tremula	Feather: RB: Single low stake		2.5m	Counted
11 -	PRSH	Prunus 'Shirofugen'	Extra heavy standard: RB: Double stake	16-18cm	4.0-4.5m	Counted
10 -	PRUAV	Prunus avium	Heavy standard: RB: Double stake	12-14cm	2.5-3.0m	Counted
8 -	QUEROBA	Quercus robur	Heavy standard: RB: Double stake	12-14cm	2.5-3.0m	Counted
7 -	SACAP	Salix caprea	Extra Heavy Standard: RB: Double Stake	14-16cm		Counted
6 -	TILCOGR	Tilia cordata 'Green Spire'	Extra heavy standard: RB: Double stake	16-18cm	4.0-4.5m	Counted
Total :197 -						

Native Mix Hedgerow

Number	Abbreviation	Species	Specification	Pot Size	Height	Density
498 -	ACECAM	Acer campestre	1+1 :BR :Transplant :Rabbit spiral and cane		60-80cm	0.4Ctr Double Staggered at 0.3m offset
669 -	CORAV	Corylus avellana	1+1 :BR :Transplant :Rabbit spiral and cane		60-80cm	0.4Ctr Double Staggered at 0.3m offset
1678 -	CRATMON	Crataegus monogyna	1+1 :BR :Transplant :Rabbit spiral and cane		60-80cm	0.4Ctr Double Staggered at 0.3m offset
332 -	ILEAQ	Ilex aquifolium	C :Shrub shelter	3L	60-80cm	0.4Ctr Double Staggered at 0.3m offset
163 -	ROSCA	Rosa canina	1+1 :BR :Transplant :Rabbit spiral and cane		60-80cm	0.4Ctr Double Staggered at 0.3m offset
Total :3340 -						

Single Species Native Hedgerow

Number	Abbreviation	Species	Specification	Height	Density
1253 -	CARBET	Carpinus betulus	BR	60-80cm	5/m
844 -	CRATMON	Crataegus monogyna	BR	60-80cm	5/m
1105 -	FAGSYL	Fagus sylvatica	BR	60-80cm	5/m
312 -	LIGOV	Ligustrum ovalifolium	BR	60-80cm	5/m
Total :3514 -					

Ornamental Shrubs

Number	Abbreviation	Species	Specification	Pot Size	Height	Density
3 -	AMELAM	Amelanchier lamarckii	C	10L	125-150cm	Counted
164 -	BERBRE	Bergenia 'Bressingham White'	C	1L	20-30cm	9/m²
58 -	CHOAP	Choisya 'Aztec Pearl'	C	2L	40-60cm	4/m²
175 -	CISPINA	Cistus 'Silver Pink'	C	2L	20-30cm	5/m²
37 -	CYTALLA	Cytisus praecox 'All gold'	C	3L	40-60cm	3/m²
307 -	ECHSUM	Echinacea 'Summer Cocktail'	C	1L	20-30cm	9/m²
183 -	EUFOE	Euonymus fortunei 'Emerald Gaiety'	C	2L	40-60cm	3/m²
17 -	FAJA	Fatsia japonica	C	5-7.5L	80-100cm	2/m²
56 -	FUCDEL	Fuchsia 'Delta's Sarah'	C	2L	40-60cm	4/m²
65 -	FMP	Fuchsia 'Mrs Popple'	C	2L	40-60cm	4/m²
68 -	GERDRE	Geranium 'Dreamland'	C	1L	20-30cm	6/m²
73 -	HEBMW	Hebe 'Mrs Winder'	C	3L	40-60cm	3/m²
80 -	HEBFRBG	Hebe franciscana 'Blue Gem'	C	2L	40-60cm	4/m²
192 -	HEUBLO	Heuchera 'Blondie in Lime'	C	1L	20-30cm	9/m²
121 -	HYDANNA	Hydrangea arborescens 'Annabelle'	C	4L	80-100cm	2/m²
61 -	HYPANB	Hydrangea paniculata 'Bombshell'	C	3L	40-60cm	2/m²
37 -	HYPHI	Hypericum 'Hidcote'	C	2L	40-60cm	4/m²
94 -	LAVANMU	Lavandula angustifolia 'Munstead'	C	2L	40-60cm	3/m²
17 -	MAHAPOA	Mahonia aquifolium 'Apollo'	C	2L	80-100cm	2/m²
499 -	PACTE	Pachysandra terminalis	C	2L	20-30cm	5/m²
63 -	PENVIL	Pennisetum villosum	C	1L	20-30cm	5/m²
47 -	POLHYB	Polygonatum x hybridum	C	2L	40-60cm	4/m²
134 -	POTABBA	Potentilla fruticosa 'Abbotswood'	C	2L	40-60cm	3/m²
58 -	POTBEAA	Potentilla fruticosa 'Primrose Beauty'	C	2L	40-60cm	4/m²
87 -	ROSGEJA	Rosa Gertrude Jekyll 'Ausbord'	C	4L	80-100cm	2/m²
15 -	ROSICEK	Rosa Iceberg 'Korbin'	C	4L	80-100cm	2/m²
43 -	ROSOFSS	Rosmarinus officinalis 'Severn Sea'	C	2L	40-60cm	5/m²
131 -	SALOFPU	Salvia officinalis 'Purpurascens'	C	2L	20-30cm	6/m²
108 -	SACH	Santolina chamaecyparissus	C	1L	20-30cm	5/m²
108 -	STABYZ	Stachys byzantina 'Silver Carpet'	C	1L	20-30cm	5/m²
35 -	VIBPRIA	Viburnum tinus 'Eve Price'	C	2L	40-60cm	4/m²
141 -	VINMIGEJ	Vinca minor 'Gertrude Jekyll'	C	1L	20-30cm	9/m²
26 -	WEIHONI	Weigela hortensis 'Nivea'	C	4L	80-100cm	2/m²
Total :3303 -						

Native Understorey Shrubs

Number	Abbreviation	Species	Specification	Pot Size	Height	Density
2078 -	ACECAM	Acer campestre	1+1 :BR :Transplant :Rabbit spiral and cane		60-80cm	3/m²
2078 -	CORSA	Cornus sanguinea	1+1 :BR :Transplant :Rabbit spiral and cane		60-80cm	3/m²
2078 -	Cav	Corylus avellana	1+1 :BR :Transplant :Rabbit spiral and cane		60-80cm	3/m²
2078 -	CRATMON	Crataegus monogyna	1+1 :BR :Transplant :Rabbit spiral and cane		60-80cm	3/m²
528 -	ILEAQ	Ilex aquifolium	C :Shrub shelter	3L	60-80cm	3/m²
511 -	Rca	Rosa canina	1+1 :BR :Transplant :Rabbit spiral and cane		60-80cm	3/m²
1046 -	VIBOP	Viburnum opulus	1+1 :BR :Transplant :Rabbit spiral and cane		60-80cm	3/m²
Total :10397 -						

Pond Edge Shrub Mix

Number	Abbreviation	Species	Specification	Height	Density
490 -	CORSA	Cornus sanguinea	1+1 :BR :Transplant :Rabbit spiral and cane	30-40cm	4/m²
504 -	SALPU	Salix purpurea	1+1 :BR :Transplant :Rabbit spiral and cane	30-40cm	4/m²
490 -	VIBOP	Viburnum opulus	1+1 :BR :Transplant :Rabbit spiral and cane	30-40cm	4/m²
Total :1484 -					

Bulbs

Number	Abbreviation	Species	Specification	Density
11465 -	NARPSE	Narcissuss pseudonarcissus	Grade 14/16	150/m²
Total :11465 -				

SPECIFICATION NOTES

GENERAL
- Proposals to be read in conjunction with Architects and Engineers Drawings;
- All landscape operations to be in accordance with all relevant and current BS and BS EN standards including BS 8545: 2014, BS4428: 1989 & BS 3936: 1990,1992,2007; and all amendments to date. Plant material to conform with 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 I - III;
- All planting to be maintained and guaranteed for 12 months to include watering, weeding, litter picking, pest & disease control;
- The landscape contractor is to take all safety precautions to prevent any injury to any persons. The landscape contractor shall comply with the requirements of the Health and Safety at Work Act 1974 and current Construction, Design and Management Regulations.

SOIL AND MULCH
- Existing topsoil to be stripped and stored on site in heaps not exceeding 2m 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 BS3882:2015, weed free, medium texture, neutral PH value, reasonably stone free with no stones over 20mm in size;
- Finished topsoil levels to be flush with adjacent paved surfaces;
- Soil depths to be 900mm for Extra Heavy Standard trees, 600mm for Heavy Standard and Feathered trees; 400mm for shrub and hedge planting, 150mm for grass turfing and seeding.
- Backfill for trees as per detail and other planting to be a mix of 50/50 approved/stored topsoil and shrub planting compost evenly mixed.
- All planting areas to be covered with a 75mm depth of medium grade bark mulch.

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 (for hedgerow plants);
- Anti-Desiccant - Proprietary anti-desiccant to be applied to foliage of all containerised/rootballed material in leaf prior to transportation and during any delay in planting;
- Tree Stakes and Ties - Stakes to be pressure treated, round, smooth and peeled Larch or Chestnut as per detail.

EXISTING TREES AND SHRUBS
- Where existing trees and shrubs are to be retained they will be subject to a full Arboricultural inspection for safety;
- Any surgery required shall be in accordance with BS3998: 2010 'Tree Work - Recommendations';
- All existing trees and hedges to be retained are subject to BS5837: 2012 'Trees in relation to Construction - Recommendations', and should be fully fenced off in accordance, prior to the commencement of any works;
- No storage of materials, disposal of rubbish, fires, spillage of oil and chemicals, ground compaction, excavation or changes in level shall be carried out within existing tree/hedge canopies or their Root Protection Areas.
- The contractor shall maintain protective fencing around retained trees and hedgerows until all site works are completed. The contractor will then remove the fencing and reinstate the ground maintaining all existing levels.
- Refer to the planning package for details relating to translocated hedgerows.

PROPOSED TREES
- Contractor to ascertain the location of all sewers and services prior to tree planting;
- 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. Use Green Blue Urban Reroot 2000 in the vicinity of dwellings and Reroot Ribbed Barrier in the vicinity of paths/hard surfaces and services. All tree pits with root barriers are subject to engineer's approval.
- Extra Heavy Standard Trees in soft landscape to be double staked and fixed in accordance with the tree pit detail.
- Heavy Standard Trees in soft landscape to be double staked and fixed in accordance with the tree pit detail.
- Feathered Trees in soft landscape to be single staked and fixed in accordance with the tree pit detail.
- Where necessary increase tree pit dimensions to ensure that tree pits are at least 75mm deeper and 150mm wider than the rootball. Break up bottom of pits to a depth of 150mm. Compacted glazed sides of pits should be roughened;
- Cut back any broken or damaged roots to sound growth.
- Plant trees upright, in the centre of the pit and at original soil depth.

SHRUBS
- Before planting, remove any non-perishable containers and carefully prune any damaged roots. Plant upright or well balanced with best side to front. Carefully return excavated topsoil/shrub planting compost mix, packing around evenly spread roots or root ball and heel well in;
- Planting holes for shrubs to be 150mm wider than root spread and 350mm deep.
- Shrubs to be planted in groups of 3-7 of the same species (where possible), with smaller plants located abutting paths and roads;
- Water plants thoroughly immediately after planting;
- Immediately after planting cut back any damaged, dead or diseased branches;
- After planting rake soil to a fine tilth with approved cambers and no hollows;
- After raking apply approved bark mulch to a depth of 75mm.

HEDGING
- Plant hedging in trenches 350mm depth and large enough to take the full spread of roots;
- Set out plants evenly as scheduled; planted in groups of 3-7 of the same species;
- Backfill with excavated topsoil/shrub planting mix;
- Prune back native hedging hard at the appropriate season in year one (and outside of the bird nesting season September 1st to February 28th).

RABBIT GUARDS
- Where specified, install rabbit guards supported by canes around each transplant (to supplier specification);
- The contractor shall maintain rabbit spirals and canes in place during the management and maintenance period.
- Ilex aquifolium to be protected by shrub shelters (staked and tied to supplier specification).

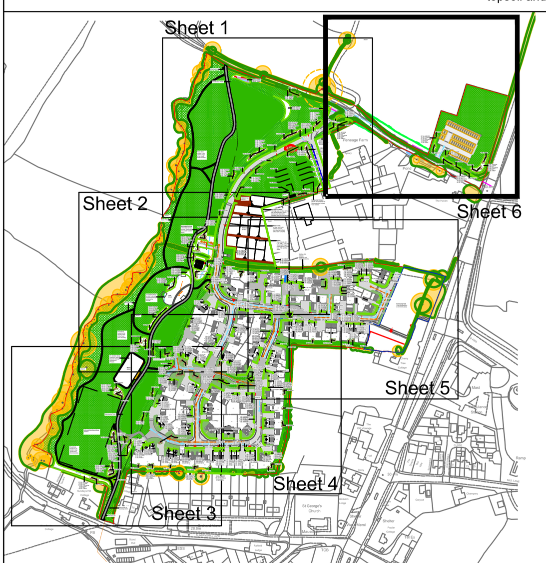
PREPARATION OF TURF BEDS, AMENITY GRASS and WILDFLOWER AREAS
- Prepare the ground by rotavation to break up topsoil to full depth and reduce top 100mm to a fine tilth. Avoid doing this when the soil is wet, to avoid damaging the soil structure and drainage. All grassed areas are to be weed free prior to turfing/seeding;
- Remove all undesirable particles brought to the surface including clay balls and stones larger than 25mm in any dimension, building debris, or roots;
- Grade the final surface to smooth contours ensuring the removal of all localised hollows and ridges, allowing for any settlement so that finished levels should be approx. 30mm higher than adjacent kerbs and manholes.

TURFING
- Turf to be in accordance with BS3969:1998+A1:2013.
- Unless otherwise stated, turf is to be good quality cultivated turf, consisting of 25% Dwarf Rye Grass, 20% Chewing Fescue, 35% Creeping Red Fescue, 20% Smooth Stalked Meadow Grass (equivalent quality to Rolawn Medallion Grade turf), fibrous and well rooted, mown and free of matted or dead grass and pernicious weeds;
- Turves to have been treated by an approved selective weed killer not more than 3 months and not less than 4 weeks before lifting;
- Turf is to be delivered within 36 hours of cutting and shall be off loaded by hand unless arranged on pallets for mechanical handling;
- Turf, which is not laid immediately on delivery, or turf inadequately stored, or in poor condition shall be rejected;
- Turf shall not be laid in exceptionally dry weather or when the ground is frozen or waterlogged;
- All turf shall be laid from planks laid on the previously laid row in alternate grain up grain down rows, with broken joints between rows and well butted up;

GRASS SEEDING
- Seeding to be undertaken between April-October (in accordance with Emorsgate recommendations);
- Seed in calm weather with seed evenly distributed in 2 directions;
- Sowing rates as recommended by Emorsgate;
- Roll seed to ensure contact with the soil ("crinkle or Cambridge" or as appropriate);
- First and subsequent cuts in accordance with Emorsgate recommendations).

WATERING, WEEDING AND LITTER CLEARANCE
- Planting areas are to be brought up to field capacity on completion of planting and during maintenance visits subject to prevailing conditions.
- Planted areas to be maintained weed and litter free during maintenance and management period.

BULBS
- Dig out area 10-15cm depth, scattering bulbs and replace the soil. Plant the bulbs nose end up at 150 per m2. Replacing excavated topsoil and firm in.



Sheet Location Plan

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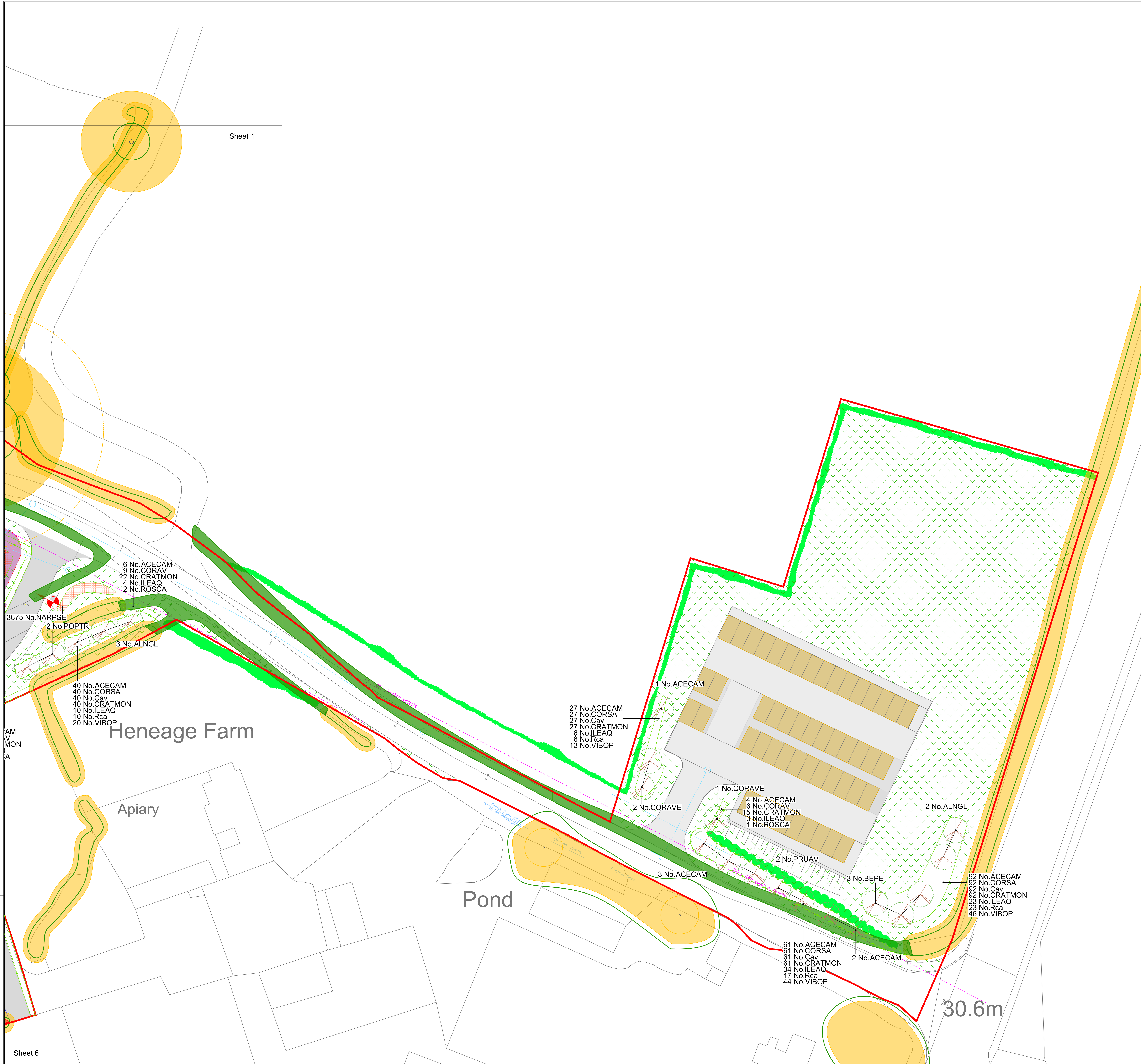

Revisions
- A - 24.07.2019 AW - LHW Comments
- B - 25.07.2019 AW - Team Comments
- C - 29.07.2019 AW - Sewer Easements & Park and Share
- D - 19.08.2019 AW - Revised Site Layout & LPA Comments
- E - 19.09.2019 AW - Amends with final LPA Comments
- F - 02.12.2019 AW - Amends to Park and Share Planting
- G - 10.02.2020 LS - Amends to Plots 30-38 and Substation
- H - 16.06.2020 AW - Overlay Highways & move tree to access
- I - 02.11.2022 LS - Removal of Park & Share Planting
- J - 04.11.2022 LS - Amendment to Park & Share Area
- K - 17.11.2022 LS - Amendment to Park & Share Area
- L - 07.11.2023 RC - Amends to fencing & path materials

FOR PLANNING

N

0m 2.5m 5m 7.5m 10m

Legend
- Site Boundary
- Community Hub Boundary
- Existing Vegetation with Root Protection Areas to be Retained
- Existing Vegetation to be Removed
- Existing Hedgerow to be Translocated
- Locations of Translocated Hedgerow
- Proposed Trees
- Proposed Native Mix Hedgerow (within Public Open Space)
- Proposed Single Species Native Hedgerow (within Development Area)
- Proposed Ornamental Shrubs
- Proposed Native Understorey Shrubs
- Proposed Pond Edge Shrub Mix
- Proposed Grass Seed Mix Emorsgate EH1 - Hedgerow Mixture (4g/m2)
- Proposed Grass Seed Mix Emorsgate EL1 - Flowering Lawn Mixture (4g/m2)
- Proposed Grass Seed Mix Emorsgate EG22c - Strong Lawn Mixture with Clover (25g/m2)
- Proposed Grass Seed Mix Emorsgate EP1 - Pond Edge Mixture (4g/m2)
- Proposed Grass Seed Mix Emorsgate EM8 - Meadow Mixture for Wetllands (4g/m2)
- Proposed Turf
- Proposed Bulbs
- 1.8m Dark Red Brick Screen Wall
- 1.8m Light Red Brick Screen Wall
- 1.8m Recon Stone Screen Wall
- 0.9m Low Recon Stone Screen Wall
- 1.8m Panel Fence
- 1.8m Close Board Fence
- 0.9m Estate Railing
- 1.2m Post and Rail Fence
- 0.5m Knee Rail
- Allotment Fencing and Gate 1.2m high post and four rail fencing with galvanised wire netting and lockable gates to match
- Pumping Station Fencing 1.8m close board fencing (water authority specification)
- Grasscrete in Allotment Car Park
- Hoggin Paths in Allotment
- Buff Coloured stone/dust to LEAP and MUGA
- Tarmac to roads, car parking bays, footways and cycleways
- Concrete Block Paving (refer to engineers drawings for further details)
- Concrete Slab Paving for paths to front doors
- Multi-User Link Stone/dust surface. 3m wide for Main Link. 1.2m wide for path links from residential edge
- Line of Existing Public Right of Way (min. 2m width)
- Benches with arm and back rests within Public Open Space (to be FSC timber and appropriate to the setting)
- Litter Bins within Public Open Space (to be lidded, lockable, robust and able to clip in a bin bag for ease of emptying)
- Bollards to Multi-User Link to restrict access to pedestrians, cyclists and horse riders (to be FSC timber and set at 2m spacings)
- Street Lights
- Sewer Easement

Project Name

Land at Moorslade Farm, Falfield

Drawing Title

Detailed Landscape Proposals (Sheet 6)

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Scale	Date
1:250 @ A0	November 2022
Drawn by	Checked by
LS	AW
Drawing No.	Revision
11805/P17	K