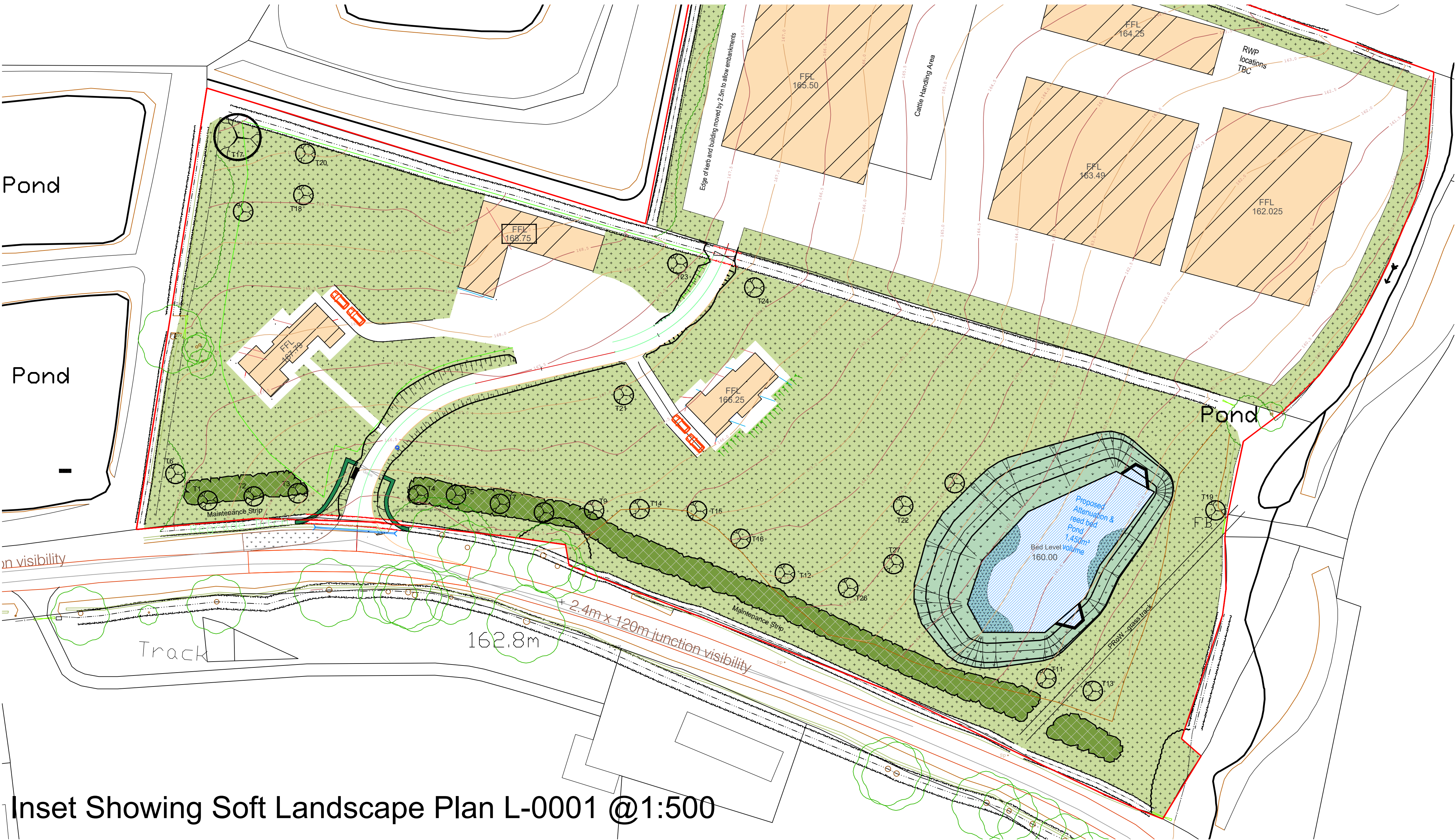




Inset Showing Soft Landscape Plan L-0001 @1:500

Tree Transplant Schedule

Schedule Notes:	
1.	The tree numbers relate to Tree Plan 11432-T-01
2.	The species names have been given in common and latin forms
3.	The height of each tree or group was measured using a laser sighted clinometer with an accuracy of ±0.6%
4.	Stem diamter measured in millimeters
5.	Tag number / Comments

Tree No	Species	Height	Stem Diameter (mm)	Tag number / Comments
T1	Horse Chestnut Aesculus hippocastanum	4	100	599
T2	Horse Chestnut Aesculus hippocastanum	4	110	598
T3	Horse Chestnut Aesculus hippocastanum	4	100	597 Bark wound on stem
T4	Horse Chestnut Aesculus hippocastanum	4	100	596
T5	Horse Chestnut Aesculus hippocastanum	4	80	595
T6	Wild Cherry Prunus avium	3	n/a	Young cherry, wound on stem, would not recommend removal
T7	Horse Chestnut Aesculus hippocastanum	4	80	594
T8	Horse Chestnut Aesculus hippocastanum	5	80	593
T9	Horse Chestnut Aesculus hippocastanum	5	80	592 wound on stem at 1m
T10	Hawthorn Crataegus monogyna	5	150 / 120	591
T11	Wild Cherry Prunus avium	6	230	590
T12	Field Maple Acer campestre	4	100	589
T13	Hawthorn Crataegus monogyna	3	70	588
T14	Horse Chestnut Aesculus hippocastanum	4	70	587
T15	Horse Chestnut Aesculus hippocastanum	4	80	586
T16	Horse Chestnut Aesculus hippocastanum	4	70	585
T17	Common Lime Tilia x europaea	5	100	584
T18	Norway Maple Acer platanoides	5	90	583

Tree No	Species	Height	Stem Diameter (mm)	Tag number / Comments
T19	Horse Chestnut Aesculus hippocastanum	4	100	582
T20	Crab Apple Malus sylvestris	5	100	581
T21	Magnolia Magnolia grandiflora	4	90 / 100	580
T22	English Oak Quercus robur	8	est 220	220
T23	Field Maple Acer campestre	8	est 220	No tag applied
T24	Field Maple Acer campestre	8	est 180	No tag applied
T25	Field Maple Acer campestre	8	est 180	No tag applied
T26	English Oak Quercus robur	6	est 180	No tag applied
T27	Field Maple Acer campestre	6	est 180	No tag applied

General Notes:

General Specification Materials and workmanship shall generally be in accordance with the following documents: BS2036 Nursery Stock and BS4281 Recommendations for General Landscape Operations Plant material to be the size and dimensions as stated in the schedule and shall be planted with good fibrous root systems. All the plants to be of native genetic origin. Check NBS Specification for full details. Setting out of all planted areas and fences to be approved on the day by Contract Administrator (CA). Planting mixes to be planted in single species groups of 3 - 7 no. densities as stated. Hedgegrove mix to be planted in double staggered rows in single species groups of 3 - 7 no. plants. New planting is to be protected with spiral guards or shrub shelters as detailed within the specification. The site is to be maintained for an agreed period following practical completion. During this period any trees, shrubs or other plants that die, fail to show leaf or are below specification for any reason shall be replaced. All replacement stock shall comply with the agreed specification and be obtained from a reputable supplier. Maintenance shall include weeding, control of insects, fungus and other diseases by means of spraying with an approved insecticide or fungicide, pruning, adjustment and repair of tree staking, ties and fencing and other horticultural operations necessary for the proper growth of the plants and to keep the area neat in appearance, including removal of litter. Grass areas shall be maintained in accordance with the written Landscape Management Plan (LMP). Topsoil Topsoil for general planting and grass seeded areas to be to BS3882:2015 Economy Grade. Soil to witlowflower seeded areas to be to BS3882: Economy Grade with low nitrogen and phosphorous content. Topsoil must be free from pernicious weeds and roots, clay lumps, non-soil materials, brick or other building materials, foreign matter and chemical contamination. Topsoil should be spread evenly over areas to be seeded and planted. Wood Treatment All areas to be planted are to be treated with an appropriate proprietary woodkiller a minimum of 10 days prior to planting. Planted areas are to be kept weed free with the use of herbicides. Following the use of herbicides remove dead vegetation. Tree Planting All existing trees to be excavated, handled and re-planted during the transplantation process to be in accordance with methodology and specification as set out by arboricultural specialists experienced in transplanting of large trees using specialist equipment such as tree saddles. Tree pits to be excavated to dimensions as required to adequately receive transplanted tree root ball. Excavate tree pits with slightly raised centre. Retain topsoil for re-use. Dig a hole which is substantially larger than the volume of roots to be accommodated. Break up and loosen the base and sides of the pit. The trees will be planted to the same depth as they were in the nursery. Backfill the tree pits in stages, whilst firming up the soil around the roots until the original ground is restored. Tree pits in soft landscaped areas to be filled with 1:3 mixture of compost and topsoil to an initial depth of 500mm, with well worked subsoil layered with existing surrounding soil. Topsoil to contain peat free organic matter and slow release fertiliser to be incorporated into each pit. Trees to receive plastic irrigation pipe system (e.g. Rotoform Urban by Green Blue Urban) or similar. Transplanted trees to be protected by square timber hardwood fence guards 1.0m x 1.0m x 1.5m using earth driven posts 100 x 100mm with 100 cross rails incorporating galvanneal mesh fencing to inner surrounds. Tree Girdling Use proprietary underground tree girdling system to secure transplanted trees e.g. Pileplus Root Ball Anchoring System. Use anchor cable length and root ball anchor system appropriate for size of transplanted tree e.g. R2P, R3P, R4P. Install Pile-mat to cushion cable around root ball. Install in accordance with supplier specification. For large semi-mature trees T12, seek specialist advice for successful establishment and girdling. It is recommended above ground girdling system is installed e.g. Pileplus G2 or G4. Root Barrier Membranes For all proposed trees centred in a location within 3m of any underground services up to a depth of 800mm, use Teflon 1000 by Greenleaf Ltd or equal and approved, robust root barrier membrane to depth of 1000mm, ribs facing tree, joints fixed with jointing tape, install 10mm above final surface level of soft landscaping. Hedge Planting Plant hedges in pre-prepared planting trenches, 500-600mm wide for double rows. Planting strips to consist of topsoil to a depth of no less than 450mm, mixed with soil conditioner as specified below. Incorporate a soil conditioner/amendment in the form of peat free general purpose shrub compost or well rotted spent mushroom compost along planting trench in a 20mm layer at the rate of 30kg per m ² , and incorporate to a depth of 225mm.	Planting All hedge planting area to be dressed with a minimum 50-75mm mulch layer, consisting of medium chipped tree bark, composted for 2-4 weeks, particle size 15-50mm. Formal hedges to be supported by min. 1000 high timber post and wire fence, consisting of min. 75mm diameter x 2000mm long, rounded timber posts, driven in at 2400mm centres with 30kg galvanneal wire supports evenly spaced along the vertical axis of the post. Corner posts and/or straining posts to be additionally supported by 45° angled, 50mm diameter timber struts. Woodland Planting Bare root whips to be notch planted. Cut the spade fully into the ground. At a right angle to the first cut, repeat step 1 to create a 'Y' shape. Take the spade to the original cut and lower it, separating, parting the turf. Place the tree carefully in between the sections of turf. Lower the spade back out and the turf will fall into place. Ensure all roots are taken into the hole. Adjust the tree to ensure it is ground level, and thoroughly firm down soil around the tree. Weed Control Matting After clearing the ground around the tree, firmly fit the mat by tucking the edges into the soil. Use 500 x 500mm fabric weed control matting e.g. Econorm by Greentech or similar, fix down with degradable barbed fencing pegs (e.g. Bio Weed Fabric Tying Pegs by Greentech). Staking & Protection All stock to be protected against rabbit damage and stirming using proprietary tree shelter and staking technique. Whip Planting Whip Planting (e.g. 600mm high Defender Tree Shelter + 900mm x 22mm treated Wood Support Stake by Greentech or similar). Tree Planting Tree Planting (e.g. 600x250mm Mesh Tree Guard Plastic Shelter with wood support & ties by Greentech or similar). Mulch Apply mulch dressing over matting with 50mm minimum depth of chipped natural British forest biomass containing minimum of 70% wood content of particle size 35-45mm. The mulch shall be free of pest, disease or weed contamination for handover. Do not to allow the woodchip to touch the stem as it can cause rot. Groundcover Groundcover to woodland planted areas to be Tussock Grassland Mix e.g. Emorsgate EG30 seeded at 4g /m ² . Ensure planting conforms to planting matrix (where appropriate) and in all other areas appears random / natural and not formal in accordance with the planting proposal layouts. Plant Protection Bushy thickets should be protected by min. 600mm high x 250-200mm diam, proprietary plastic mesh shrub shelters / guards and secured in place with treated softwood timber stakes and plastic cable ties. All single stem transplants to be protected by proprietary rabbit guard/ shelter and wooden supports as stated above (bamboo cane to be min. 22-24mm x 500mm long if used instead of proprietary support). Grass Seeding After cultivation operations have been carried out, use a pre-seed herbicide on areas to be seeded. Sow areas to be seeded with grass seed which has been stored off the ground in a clean, dry place free from vermin. Following an even distribution of seed, the contractor shall carry out a light raking or light harrowing of the area and ensure consolidation of the seed with the soil by the use of a light roller. All reasonable precautions shall be taken to ensure that pedestrian and other traffic does not cross areas during cultivation and until the grass has established. Mulch Mulch whole surface of tree and hedge planted areas with 50-75mm minimum depth of chipped natural British forest biomass containing minimum of 70% wood content of particle size 35-45mm. The mulch shall be free of pest, disease or weed contamination for handover. Willowow Matting Seeding Remove unwanted vegetation by hand or with appropriate proprietary weedkiller. Prepare the site carefully, removing stones and raking to a level before allowing a few weeks for the soil to settle and for any weed seeds to germinate and be broad off. Only seed into mature poor substrate. Do not fertilise. Refer to plant specification for seeding rate.
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Extract of Tree Location Plan 11432-T-01

PLANT SCHEDULE							
WOODLAND MIX							
% Mix	Name	Girth/ Dia. cm	Height cm	Root zone	Specification		TOTAL
Notch planted with rabbit protection and staked.							
Plant at 1500mm centres in random staggered matrix formation, in single species groups of 7,9,or 11no plants in each singe species group.							
5%	Acer campestre		40-60	B	1+0: seedling		20
15%	Betula pendula		40-60	B	1+0: seedling		58
5%	Corylus avellana		40-60	B	1+1: Transplant seed raised; branched; 2 breaks		20
10%	Crataegus monogyna		40-60	B	1+0: seedling		39
5%	Ilex aquifolium		40-60	5L	Bushy; 3 breaks		20
5%	Pinus sylvestris		40-60	B	1+2: Transplant seed raised		20
15%	Prunus avium		40-60	B	1+0: seedling		58
10%	Prunus spinosa		40-60	B	1+0: seedling		39
25%	Quercus robur		40-60	B	1+1: Transplant seed raised		97
5%	Sorbus aucuparia		40-60	B	1+0: seedling		20
NATIVE SPECIES RICH HEDGEROW MIX							
% Mix	Name	Dia. cm	Height cm	Root zone	Specification		TOTAL
Screef existing vegetation and pit plant in a double staggered row, 450mm between rows, 450mm centres (5no. Per lin.m).							
Pit planted with rabbit protection and staked.							
Plant in single species groups of 7,9,11 or 15no plants in each single species group. Supporting post & wire fence to centre of hedge.							
10%	Acer campestre		40-60	B	1+0: seedling		18
5%	Cornus sanguinea		40-60	B	1+1: Transplant seed raised; branched; 2 breaks		9
45%	Corylus avellana		40-60	B	1+1: Transplant seed raised; branched; 2 breaks		78
10%	Euonymus europaeus		40-60	B	1+1: Transplant seed raised; branched; 3 breaks		34
5%	Ilex aquifolium		40-60	5L	Bushy; 3 breaks		18
20%	Malus sylvestris		40-60	B	1+1: Transplant seed raised		9
5%	Viburnum opulus		40-60	B	1+1: Transplant seed raised; branched; 2 breaks		9
REED BED							
% Mix	Name	Girth/ Dia. cm	Height cm	Root zone	Specification	Density	TOTAL
100%	Phragmites australis			50cc	Plug; established root 2-3 months minimum; June to Sept planting; British native-origin;	5/sqm	575

NOTES	
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0 10 20 30 40 50m	
Pond Embankment Seed Mix Emorsgate EG8 Grassland Mix for Wetlands Sown at 5g/sqm 0.30% Achillea millefolium - Yarrow 1.50% Centaurea nigra - Common Knagweed 1.50% Anthoxanthum odoratum - Sweet Vernal-grass 5.00% Briza media - Quaking Grass 60.00% Cynosurus cristatus - Crested Dogtail 2.50% Deschampsia cespitosa - Tufted Hair-grass 27.50% Festuca rubra - Red Fescue	
Grassland Meadow Seed Mix Emorsgate EM1 General Purpose Meadow Mix Sown at 4g/sqm Wild flowers: 10% 0.30% Achillea millefolium - Yarrow 1.50% Centaurea nigra - Common Knagweed 1.50% Leucanthemum vulgare - Oxeye Daisy 1.50% Malva moschata - Musk Mallow 3.00% Plantago lanceolata - Ribwort Plantain 1.00% Potentilla sanguisorba ssp sanguisorba - Salad Burnet 0.70% Ranunculus acris - Meadow Buttercup 0.50% Deucus carota - Wild Carrot	
Grasses 90% 5.00% Agrostis capillaris - Common Bent 31.50% Cynosurus cristatus - Crested Dogtail 27.00% Festuca rubra - Red Fescue 4.50% Phleum bertalanii - Smaller Cat's-tail 18.00% Poa pratensis - Smooth-stalked Meadow-grass	