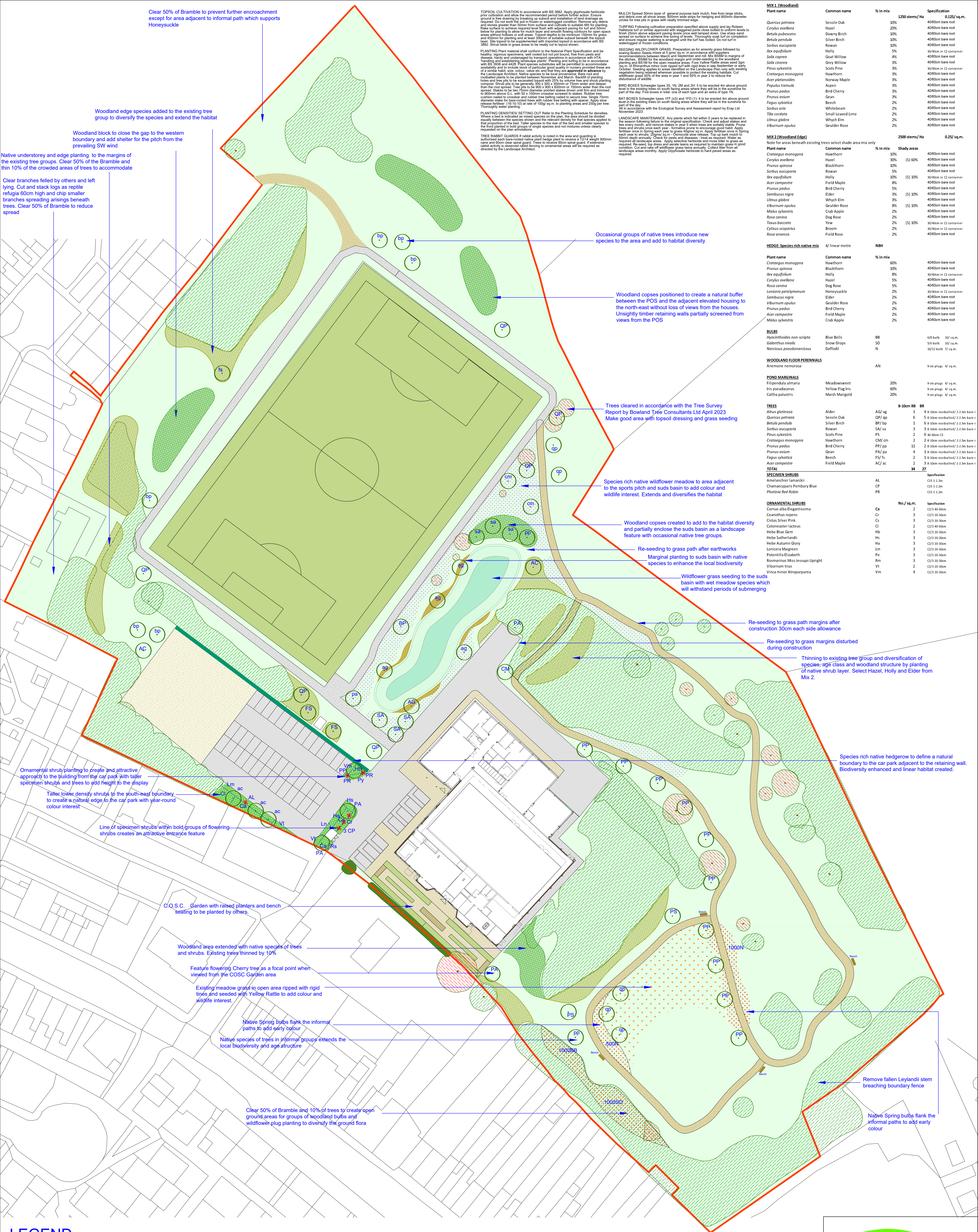




MULCH Spread 50mm layer of general purpose bark mulch, free from large sticks, and debris over all shrub areas, 800mm wide strips for hedging and 800mm diameter circles for tree pits in grass with neatly trimmed edge.

TURFING Following cultivation preparation specified above supply and lay Rolawn Hatterfield turf or similar approved with staggered joints close fitted to uniform levels to finish 25mm above adjacent paving levels once well tamped down. Use sharp sand spread on surface to achieve fine lines of levels. Thoroughly soak turf on completion and ensure regular watering is arranged until the turf has rooted. Do not turf in waterlogged or frozen conditions.

SEEDING WILDFLOWER GRASS. Preparation as for amenity grass followed by sowing Broken Sheep mix at 3 g/m² in grass in accordance with the recommendations between March and September and roll. Mix BS5M to margins of the driveway. BS5M for the open meadow areas. For Yellow Rattle areas seed 3g/m² of *Rhinanthus minor* over rolled turf with rigid tines in late September or early October. Seeding applies to areas identified on the Landscape Plan only with existing vegetation being retained wherever possible to protect the existing habitats. Cut wildflower grass 50% of the area in year 1 and 50% in year 2 to reduce the disturbance of wildlife.

BIRD BOXES Schwedler types 1S, 1N, 2M and 2H. 4 to be erected 4m above ground level in the existing trees on south facing areas where they will be in the sunshine for part of the day. Five boxes in total one of each type and an extra of type 1N.

BAT BOXES Schwedler types 1FF (3) and 1FD (1). 4 to be erected 4m above ground level in the existing trees on south facing areas where they will be in the sunshine for part of the day.

LANDSCAPE MAINTENANCE. Any plants which fall within 5 years to be replaced in the season following failure to the original specification. Check and adjust stakes and ties every month and remove stakes in year 5 when trees are suitably stable. Prune trees and shrubs once each year - formative pruning to encourage good habit. Apply fertiliser once in Spring each year to grass, organic matter. Apply fertiliser once in Spring each year to areas adjacent to grass. Carry out tree maintenance: top up bare roots to 50mm depth annually. Check for pests and diseases - treat as required. Water as required all landscape areas. Apply selective herbicide and moss killer to grass as required. Re-seed, top dress and aerate lawns as required to maintain grass in good condition. Cut and rake of wildflower grass twice annually. Collect litter from all landscape areas monthly. Apply Glyphosate herbicide to hard paved areas as required.

TOPSOIL CULTIVATION in accordance with BS 3882. Apply glyphosate herbicide prior to cultivation and allow the recommended period before further action. Ensure ground is free draining by breaking up subsoil and installation of sand drainage as required. Do not work the soil in frozen or waterlogged condition. Remove any debris and stones greater than 50mm from surface and cultivate to suitable till for planting. Stake surface to achieve required level flush with adjacent paving for turf and 50mm below for planting to allow for much layer and smooth flowing contours for open space areas without hollows or soil areas. Topsoil depths to be minimum 150mm for grass and 200mm for planting and at least 300mm of substrate depth beneath the topsoil layer. Site topsoil to be supplemented with imported topsoil in accordance with BS 3882. Shrub beds in grass areas to be neatly cut to lay out shown.

PLANTING Plant material shall conform to the National Plant Specification and be healthy, vigorous specimens, well rooted but not pot bound, free from pests and diseases, heavy and undamaged by transport operations in accordance with HTA. Handling and establishing landscape planter. Planting and tamping to be in accordance with BS 5836 and BS 5837. Plant species substitutes will be permitted to accommodate availability and to replace stock of particular good quality in nursery provided these are of a similar habit, size, colour, value etc and that they are approved in advance by the Landscape Architect. Native species to be planted in November and March. Backfill of planting holes and tree pits to be excavated topsoil with 25% by volume tree and shrub planting compost. Shrub pits to be generally 300 x 300 x 300mm or 750mm wide and deeper than the root spread. Tree pits to be 800 x 800 x 600mm or 100mm wider than the root spread. Stakes to be two 75mm diameter pointed stakes driven vertically and trimmed to 900mm above G.S. with 50 x 100mm crossbar nailed to stakes. Rubber tree diameter stake for bare-rooted trees with rubber free belling with spacer. Apply soil release fertilizer (10:10:10) at rate of 100g sq.m. to planting areas and 250g per tree. Thoroughly water planting.

PLANTING DENSITIES/ SETTING OUT Refer to the Planting Schedule for densities. Where a tool is indicated as mixed species in the plan, the area should be divided equally between the species shown and the relevant density for that species applied to the full planted in bold groups of single species and not mixture unless clearly requested on the plan annotations.

TREE RABBIT GUARDS If rabbit activity is noted in the area and guarding is authorised each bare-rooted native plant hedge plant to receive a 12.5 weight 900mm cane and 600mm clear spiral guard. Trees to receive 800mm spiral guard. If extensive rabbit activity is observed rabbit fencing to ornamental areas will be required as directed by the Landscape Architect.

MIX 1 (Woodland Edge)		Common name	% in mix	1250 stems/ Ha	0.125/ sq.m.	Specification
Plant name						
<i>Quercus petraea</i>		Sessile Oak	10%			40/60cm bare root
<i>Corylus avellana</i>		Hazel	20%			40/60cm bare root
<i>Betula pubescens</i>		Downy Birch	10%			40/60cm bare root
<i>Betula pendula</i>		Silver Birch	10%			40/60cm bare root
<i>Sorbus aucuparia</i>		Rowan	3%			40/60cm bare root
<i>Ilex aquifolium</i>		Holly	3%			30/60cm in C2 container
<i>Salix caprea</i>		Goat Willow	4%			40/60cm bare root
<i>Salix cinerea</i>		Grey Willow	3%			40/60cm bare root
<i>Pinus sylvestris</i>		Scots Pine	3%			30/60cm in C2 container
<i>Crataegus monogyna</i>		Hawthorn	3%			40/60cm bare root
<i>Acer platanoides</i>		Norway Maple	3%			40/60cm bare root
<i>Populus tremula</i>		Aspen	3%			40/60cm bare root
<i>Prunus padus</i>		Bird Cherry	3%			40/60cm bare root
<i>Prunus avium</i>		Gean	3%			40/60cm bare root
<i>Fagus sylvatica</i>		Beech	2%			40/60cm bare root
<i>Sorbus aria</i>		Whitebeam	2%			40/60cm bare root
<i>Tilia cordata</i>		Small Leaved Lime	2%			40/60cm bare root
<i>Ulmus glabra</i>		Wych Elm	2%			40/60cm bare root
<i>Viburnum opulus</i>		Guelder Rose	2%			40/60cm bare root
2500 stems/ Ha						
0.25/ sq.m.						
MIX 2 (Woodland Edge)						
Note for areas beneath existing trees select shade area mix only						
Plant name	Common name	% in mix	Shady areas			
<i>Crataegus monogyna</i>	Hawthorn	10%				40/60cm bare root
<i>Corylus avellana</i>	Hazel	30%	(S) 60%			40/60cm bare root
<i>Pinus spirosa</i>	Blackthorn	10%				40/60cm bare root
<i>Sorbus aucuparia</i>	Rowan	5%				40/60cm bare root
<i>Ilex aquifolium</i>	Holly	10%	(S) 10%			30/60cm in C2 container
<i>Acer campestre</i>	Field Maple	8%				40/60cm bare root
<i>Prunus padus</i>	Bird Cherry	5%				40/60cm bare root
<i>Sambucus nigra</i>	Elder	5%	(S) 10%			40/60cm bare root
<i>Ulmus glabra</i>	Wych Elm	3%				40/60cm bare root
<i>Viburnum opulus</i>	Guelder Rose	8%	(S) 10%			40/60cm bare root
<i>Malus sylvestris</i>	Crab Apple	2%				40/60cm bare root
<i>Rosa canina</i>	Dog Rose	2%				40/60cm bare root
<i>Taxus baccata</i>	Yew	2%	(S) 10%			30/60cm in C2 container
<i>Cytisus scoparius</i>	Broom	2%				30/60cm in C2 container
<i>Rosa arvensis</i>	Field Rose	2%				40/60cm bare root
HEDGE: Species rich native mix						
Plant name	Common name	% in mix	NBH			
<i>Crataegus monogyna</i>	Hawthorn	60%				40/60cm bare root
<i>Pinus spirosa</i>	Blackthorn	8%				40/60cm bare root
<i>Ilex aquifolium</i>	Holly	5%				30/60cm in C2 container
<i>Corylus avellana</i>	Hazel	5%				40/60cm bare root
<i>Rosa canina</i>	Dog Rose	5%				40/60cm bare root
<i>Lonicera periclymenum</i>	Honeysuckle	2%				30/60cm in C2 container
<i>Sambucus nigra</i>	Elder	2%				40/60cm bare root
<i>Viburnum opulus</i>	Guelder Rose	2%				40/60cm bare root
<i>Prunus padus</i>	Bird Cherry	2%				40/60cm bare root
<i>Acer campestre</i>	Field Maple	2%				40/60cm bare root
<i>Malus sylvestris</i>	Crab Apple	2%				40/60cm bare root
BULBS						
<i>Hyacinthoides non-scripta</i>	Blue Bells	BB		6/8 bulb	10/ sq.m.	
<i>Galanthus nivalis</i>	Snow Drops	SD		5/6 bulb	10/ sq.m.	
<i>Narcissus pseudonarcissus</i>	Daffodil	N		10/12 bulb	7/ sq.m.	
WOODLAND FLOOR PERENNIALS						
<i>Anemone nemorosa</i>		AN			9 cm plugs	4/ sq.m.
POND MARGINALS						
<i>Filipendula ulmaria</i>	Meadowsweet		20%		9 cm plugs	4/ sq.m.
<i>Iris pseudacorus</i>	Yellow Flag Iris		60%		9 cm plugs	4/ sq.m.
<i>Galium palustre</i>	Marsh Marigold		20%		9 cm plugs	4/ sq.m.
TREES						
				8-10cm RB	BR	
<i>Alnus glutinosa</i>	Alder	AG/ ag	1	4	8-10cm rootballed/ 2.2.5m bare r	
<i>Quercus petraea</i>	Sessile Oak	QP/ qp	6	5	8-10cm rootballed/ 2.2.5m bare r	
<i>Betula pendula</i>	Silver Birch	BP/ bp	1	6	8-10cm rootballed/ 2.2.5m bare r	
<i>Sorbus aucuparia</i>	Rowan	SA/ sa	3	3	8-10cm rootballed/ 2.2.5m bare r	
<i>Pinus sylvestris</i>	Scots Pine	PS	2	0	40-60cm CS	
<i>Crataegus monogyna</i>	Hawthorn	CM/ cm	2	2	8-10cm rootballed/ 2.2.5m bare r	
<i>Prunus padus</i>	Bird Cherry	PP/ pp	11	2	8-10cm rootballed/ 2.2.5m bare r	
<i>Prunus avium</i>	Gean	PA/ pa	4	1	8-10cm rootballed/ 2.2.5m bare r	
<i>Fagus sylvatica</i>	Beech	FS/ fs	2	1	8-10cm rootballed/ 2.2.5m bare r	
<i>Acer campestre</i>	Field Maple	AC/ ac	2	3	8-10cm rootballed/ 2.2.5m bare r	
TOTAL						
SPECIMEN SHRUBS						
					Specification	
<i>Amelanchier lamarckii</i>	AL				(15 1.1.2m	
<i>Chamaecyparis Pembury Blue</i>	CP				(15 1.1.2m	
<i>Photinia Red Robin</i>	PR				(15 1.1.2m	
ORNAMENTAL SHRUBS						
				No./ sq.m.	Specification	
<i>Cornus alba Elegantisima</i>	Ca		2		(2/3 40-60cm	
<i>Ceanothus repens</i>	Cr		3		(2/3 20-30cm	
<i>Citrus Silver Pink</i>	Cs		3		(2/3 20-30cm	
<i>Cotoneaster lacteus</i>	Cl		2		(2/3 40-60cm	
<i>Hebe Blue Gem</i>	Hb		3		(2/3 20-30cm	
<i>Hebe Sutherlandii</i>	Hs		3		(2/3 20-30cm	
<i>Hebe Autumn Glory</i>	Ha		3		(2/3 20-30cm	
<i>Lonicera Maigrreen</i>	Lm		3		(2/3 20-30cm	
<i>Potentilla Elizabeth</i>	Pe		3		(2/3 20-30cm	
<i>Rosmarinus Miss Jessups Upright</i>	Rm		3		(2/3 20-30cm	
<i>Viburnum Trice</i>	Vt		2		(2/3 20-30cm	
<i>Vinca minor Atropurpurea</i>	Vm		4		(2/3 20-30cm	

LEGEND

Site boundary

Tree group to be retained

Tree group to be removed

Proposed native planting Mix 1

Proposed native planting Mix 2

Proposed hedge

Proposed tree

Proposed shrubs

Specimen shrubs

Existing grass POS

Wild flower grass seeding

Wetland wild flower grass

Yellow Rattle seeding

Native bulb/plug planting

Sports pitch

C.O.S.C. Garden seating areas

Planting beds for C.O.S.C. garden

Gravelled (informal) car park

Tarmac

Hoggin

SCALE 0 10 20m

CHARTERED LANDSCAPE ARCHITECTS
Westwood Nurseries, Orton Grange Carlisle CA56LB

CUMBERLAND COUNCIL	
CLEATOR MOOR ACTIVITY CENTRE	
LAYOUT PLAN	LANDSCAPE PLAN
DATE: 30.04.24	DRAWING NUMBER: WW/L01
SCALE: AS SHOWN @ A1	