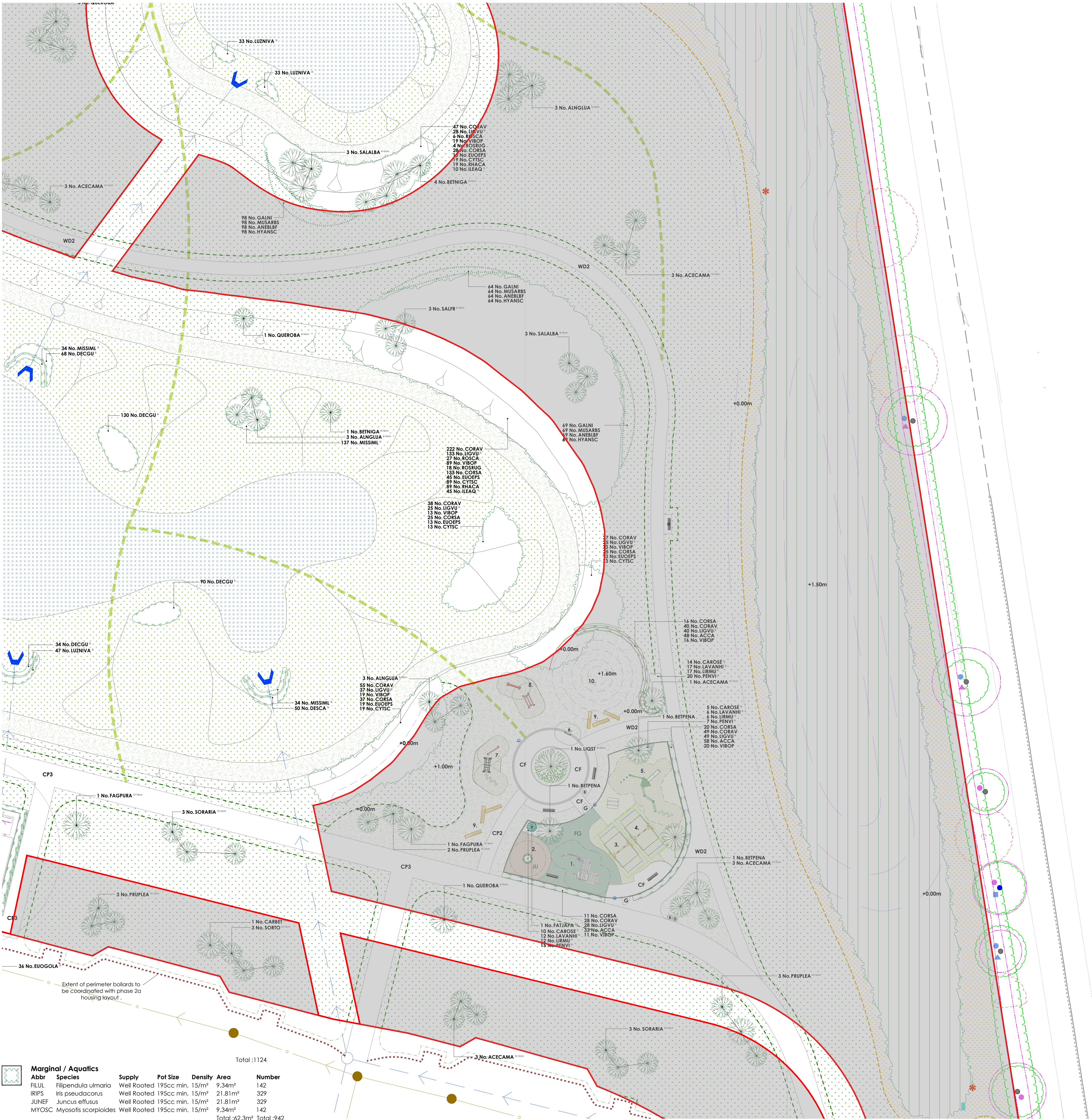




Marginal / Aquatics					
Abbr	Species	Supply	Pot Size	Density	Area
FLUL	Filipendula ulmaria	Well Rooted	195cm min.	15/m²	9.34m²
IRIPS	Iris pseudacorus	Well Rooted	195cm min.	15/m²	21.81m²
JUNEF	Juncus effusus	Well Rooted	195cm min.	15/m²	21.81m²
MYOSC	Myosotis scorpioides	Well Rooted	195cm min.	15/m²	9.34m²
Total :62.3m²					Total :942

Turf Areas					
Seed Mix Name	Seed Mix Supplier	Density	Area	Number	
Medallion turf	Rolown Ltd	4g/m²			

Amenity Grassland Areas					
Seed Mix Name	Seed Mix Supplier	Density	Area	Number	
EL1 - Flowering Lawn Mix	Emorgate Seeds	4g/m²			

Amenity Meadow Areas					
Seed Mix Name	Seed Mix Supplier	Density	Area	Number	
EM6 - Chalk & Limestone Soil	Emorgate Seeds	4g/m²			

Landcape Institute Registered Practice

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Rough Grassland			
Seed Mix Name	Seed Mix Supplier	Density	Area
EM10 Tussock Meadow Mixture	Emorgate Seeds	4g/m²	

Finch and Bunting (CS310/FCB)			
Seed Mix Name	Seed Mix Supplier	Density	Area
AB9 1 Year Wild Bird Mix	Boston Seeds	5g/m²	

SuDS Base Meadow Grassland			
Seed Mix Name	Seed Mix Supplier	Density	Area
EP1 - Pond Edge Mixture	Emorgate Seeds	4g/m²	

SuDS Banks Meadow Grassland			
Seed Mix Name	Seed Mix Supplier	Density	Area
EM8 - Meadow Mixture for Wet Soil	Emorgate Seeds	4g/m²	

Key - Ecological Enhancements	
Woodstone Seville 28mm bird boxes (or similar)	
Woodstone Seville 32mm bird boxes (or similar)	
Barn owl nest box	
Schwegerl 1FF bat boxes (or similar)	
Chovenage cavity boxes (or similar)	
Log piles	

CJ Wildlife Apex insect tower (or similar)

For further details please refer to Ecology Solutions OLEMP.

Key	
Application boundary	
Existing trees, hedgerow and vegetation to be retained.	
Existing tree hedgerow and vegetation to be removed.	
Timber ballards	
To align the perimeters of the highways to defer adhoc parking, 200mm square timber ballards with chamfered top, 450mm high (above ground) and posts to be installed at no wider than 2m centres.	
Combined cycle/footpath	
3.5m wide bitumen macadam finish with precast concrete edging.	
Footpath	
2m wide semi bound surface (hoggin) with pre-cast concrete edging like Cedec/ Breedon or similar approved.	
Combined cycle/footpath	
3.5m wide semi bound surface (hoggin) with pre-cast concrete edging like Cedec/ Breedon or similar approved.	
Footpath	
2m wide unbound whin or granite dust path with tanted timber edging or similar approved.	
Seating area (by play area)	
Semi bound surface (hoggin) with pre-cast concrete edging like Cedec/ Breedon or similar approved with feature 100mm x 100mm silver grey Conservation X setts as supplied by Marshall or similar approved. Outer crice edge 3 course, inner circle edge 1 course as shown.	
Footpath (transitional zone)	
2m depth of tarmac surfacing adjacent to highway edge to buffer reduce the milligation of footpath materials onto the highway.	
Mown paths	
Mowing margins	
1m wide grass strips adjacent to hard surfaced areas (road/path) to be regularly cut (circa. 12 cuts a year) to improve presentation.	
Seating	
Orchard Seat (Ref: BX17 4271/5) heavy duty galvanised steel framed seat with seven slats in sturdy timber and a double slatted backrest and armrests. As supplied by Broxap Ltd or similar approved. Installed on semi bound surface (hoggin) per the footpaths.	
Seating	
Eddie Rustic 3 Star Seat (Ref: BX17 4022) As supplied by Broxap Ltd or similar approved. Installed beneath unbound whin or granite dust as per the footpaths.	
Litter bin	
Derby weyburn (Ref: BX 2550-WBN) steel litter bin as supplied by Broxap or similar approved.	
Dog bin	
Slut Dog Waste Bin (Ref: BX45G 2591-PM) galvanised steel bin with a top-opening lid as supplied by Broxap or similar approved.	
Perimeter bunds/mounding	
Earthmoulding shall take place using the subsoil previously stored on site and laid in 300mm layers at a time, and consolidated as work proceeds. The top soil spreading (only for planting areas), the subsoil surface shall be loosened using a single line ripper to a depth of 450mm at 1.0m centres. Topsoil shall be spread evenly over the formation levels in layers not exceeding 150mm to a depth of 450mm and 300mm to the areas to be planted up. Areas to be grass seeded, cultivated subsoil to be used. All slopes shall be graded with a rigid blade grader and consolidated to proposed levels. The gradient of the slopes shall be smooth-flowing, no steeper than 1:3 and mounding with all existing levels.	

KEY - LEAP & Natural Play

Seating	Orchard Seat (Ref: BX17 4271/5) heavy duty galvanised steel framed seat with seven slats in sturdy timber and a double slatted backrest and armrests. As supplied by Broxap Ltd or similar approved. Installed over unbound whin or granite dust as per the footpaths.
Picnic table	Brompton Picnic Bench (Ref: BX14 4014) supplied Broxap or similar approved.
Fenced play - Secure play	1.0m high cantirap bow top fencing finished in Moss Green RAL 6005 colour. To be manufactured from galvanised steel. Fencing to supplied by Jackson Fencing or similar approved manufactured and installed in accordance with RoSPA guidelines and BS EN 1176.
Gate access to secure play	1.0m high and wide anti-rap single bow top self closing gate with self closing mechanism and opening outwards. Gate to be finished in red to aid partially sighted users. RoSPA approved and to conform to BS EN 1176 play fence standards.
Maintenance gate	1.0m high, 2.8m wide, red, double leaf lockable maintenance gate with drop bolts. RoSPA approved and to conform to BS EN 1176 play fence standards.
Play signage	Signs are to be supplied and erected as shown, and to state the play area/space is a 'Dog free' zone and any other information required. Natural play signage reference proximity to the SUDs facility (within the recommend 30m (RoSPA)) however banks gradients designed to allow easy free access and/or exit. Exact wording to be agreed with the Local Planning Authority.
Reinforced grass safety surfacing	Play manufacturers to detail in accordance with EN 1176.
Bonded rubber mulch safety surfacing	To be EN 17677 compliant and to depths as specified by manufacturer of play elements. Jungle Mulch or similar approved to be supplied by Play Smart UK or similar approved. Colours: Jungle Original (JUL) or Forest Green (FG).
Post and wire fence	1.2m high timber post and 2 wire fence to support and protect the hedgerow as it establishes.

PLAY AREA SCHEDULE

Secure play (LEAP)	
1. J49147 Market. (INC)	
2. J2404/6 Wok. (INC)	
3. J4918 Double cradle seat.	
4. J4910 Double flat seat.	
5. J4938 Multi-play unit.	
Exploratory play items outside the secure play area	
6. J3424/6 Pixel panel (INC)	
7. 3 11m trial units: J4904 (Japanese steps), J4902 (net walkway), J4903 (balance beam)	
8. 2 11m trial units: J4901 (log walkway), J4904 (Gateway)	
9. Tree trunks, designed and hand-built, bark removed and sanded to provide a splinter and snag-free play surface. Supplied by Copper Beech Play or similar approved.	
10. Play/look out grass mound. Construction as per earth mounding specification. Maximum height of 1.6m. Gradient no steeper than 1:3.	

INC - Inclusive play equipment is designed to be accessible and enjoyable for all children, regardless of their abilities, including those with physical, sensory, or cognitive needs.

All play equipment as supplied by Proludic Ltd (www.proludic.co.uk) or similar product from an approved manufacturer. All wooden/rubino post in contact with the ground to be fitted with metal feet to extend life expectancy of apparatus.

All play equipment and layout proposals to be specified in accordance with the requirements set out under BS EN 1176 and Equality Act 2010. Following the agreement of play equipment and the general arrangement the selected manufacturer's details will be submitted to the local council for approval along with the finalised proposals and accompanying written/online need details.



Plant Schedule						
Trees - Feature						
Abbr	Species	Supply	Size	Girth	Number	
FAGPURA	Fagus sylvatica 'Purpurea'	FE: Heavy Standard :Clear Stem	175-200 :R8	350-425cm	12-14cm	4
UGST	Liquidambar styraciflua	FTE: Semi mature :Clear Stem min	200-250	600cm+	20-35cm	1
PYRCHAC	Pyrus calleryana 'Chariticeae'	FTE: Semi Mature :Clear Stem	175-200 :R8	600cm+	25-30cm	7
						Total :12
Trees - POS						
Abbr	Species	Supply	Size	Girth	Number	
BETPENA	Betula pendula	POS :Multi-Stemmed :3/5 brks :C 30L	250-300cm			3
ALINGLIA	Alnus glutinosa	POS :Standard :Clear Stem	150-175 :C 30L	250-300cm	8-10cm	13
BENIGNA	Betula nigra	POS :Standard :Clear Stem	150-175 :C 30L	250-300cm	8-10cm	9
BETPE	Betula pendula	POS :Standard :Clear Stem	150-175 :C 30L	250-300cm	8-10cm	6
QUEROBA	Quercus robur	POS :Standard :Clear Stem	150-175 :C 30L	250-300cm	8-10cm	14
SALALBA	Salix alba	POS :Standard :Clear Stem	150-175 :C 30L	250-300cm	8-10cm	12
SALFR	Salix fragilis	POS :Standard :Clear Stem	150-175 :C 30L	250-300cm	8-10cm	4
ACECAMA	Acer campestre	POS :Selected Standard :Clear Stem	175-200 :BR	300-350cm	10-12cm	25
CARBET	Carpinus betulus	POS :Selected Standard :Clear Stem	175-200 :BR	300-350cm	10-12cm	2
PRUPEIA	Prunus avium 'Pleia'	POS :Selected Standard :Clear Stem	175-200 :BR	300-350cm	10-12cm	20
SORARIA	Sorbus aria	POS :Selected Standard :Clear Stem	175-200 :BR	300-350cm	10-12cm	17
SORTO	Sorbus terminalis	POS :Selected Standard :Clear Stem	175-200 :BR	300-350cm	10-12cm	7
FAGSY	Fagus sylvatica	POS :Heavy Standard :Clear Stem	150-175 :R8	350-425cm	12-14cm	3
TILCORA	Tilia cordata	POS :Heavy Standard :Clear Stem	150-175 :R8	350-425cm	12-14cm	7
						Total :144
Specimen Shrubs						
Abbr	Species	Pot Size	Height	Habit	Number	
FATJAPA	Fatsia japonica	20L	150-175cm	Bushy	1	13
PHOJE	Phormium 'Jester'	25L	100-125cm	Triple Crown	2	
PHOWAVA	Phormium 'Yellow Wave'	25L	100-125cm	Triple Crown	6	
						Total :9
Single Species Hedgerows						
Abbr	Species	Pot Size	Height	Habit	Density	Number
ELAECB	Elaeagnus x ebbingtonii 'Compacta'	10L	80-100cm	Bushy	0.4Cfr	305
EUJAPJH	Euonymus japonicus 'Jean Hugues'	5L	60-80cm	Bushy	0.25Cfr	91
INSTANT	Native Mix Species Instant Hedge	INSTANT HEDGE	125-150cm	Bushy :through	1Cfr	18
PHOFRR	Photinia x fraseri 'Red Robin'	INSTANT HEDGE	125-150cm	Bushy :through	1Cfr	51
						Total :465
Native Mix Species Hedgerow						
Abbr	Species	Supply	Height	Density		Mix % Number
CORAV	Corylus avellana	1+1 :3 brks :BR	60-80cm	0.4Cfr Double Staggered at 0.4m offset	25%	202
CRAMON	Crataegus monogyna	1+1 :3 brks :BR	60-80cm	0.4Cfr Double Staggered at 0.4m offset	50%	402
CORSA	Cornus sanguinea	3 brks :C	60-80cm	0.4Cfr Double Staggered at 0.4m offset	5%	43
ILEAQ	Ilex aquifolium	Bushy :3L	40-60cm	0.4Cfr Double Staggered at 0.4m offset	5%	43
VIBOP	Viburnum opulus	1+1 :3 brks :BR	60-80cm	0.4Cfr Double Staggered at 0.4m offset	10%	83
LONPER	Lonicera periclymenum	Branches :Caned :3L	60-80cm	0.4Cfr Double Staggered at 0.4m offset	2%	19
ROSCA	Rosa canina	1+1 :3 brks :BR	60-80cm	0.4Cfr Double Staggered at 0.4m offset	3%	28
						Total :820
Native Mix Species Hedgerow (Thornless)						
Abbr	Species	Supply	Height	Density		Mix % Number
CORSA	Cornus sanguinea	1+1 :3 brks :BR	60-80cm	0.3Cfr Double Staggered at 0.3m offset	10%	47
CORAV	Corylus avellana	1+1 :3 brks :BR	60-80cm	0.3Cfr Double Staggered at 0.3m offset	25%	117
LIGVU	Ligustrum vulgare	Bushy :C 2L	60-80cm	0.3Cfr Double Staggered at 0.3m offset	25%	117
ACCA	Acer campestre	1+1 :3 brks :BR	60-80cm	0.3Cfr Double Staggered at 0.3m offset	30%	139
VIBOP	Viburnum opulus	1+1 :3 brks :BR	60-80cm	0.3Cfr Double Staggered at 0.3m offset	10%	47
						Total :467
Shrubs - Site Entrance						
Abbr	Species	Pot Size	Height	Habit	Density	Number
CAREVI	Carex oshimensis 'Everest'	5L		Full Pot	0.5Cfr	56
HEUMIPP	Heuchera micrantha 'Palace Purple'	5L		Full Pot	0.5Cfr	26
HEBPIS	Hebe pinguifolia 'Sutherlandii'	10L	30-40cm	Bushy	0.6Cfr	60
MISSKLF	Miscanthus sinensis 'Klein Fontaine'	5L		Full Pot	0.6Cfr	32
HEBPQ	Hebe 'Purple Queen'	10L	40-60cm	Bushy	0.7Cfr	4
PHOPLB	Phormium 'Platt's Black'	10L	60-80cm	Triple crown	0.7Cfr	38
PENALLB	Pennisetum alopecuroides 'Little Bunny'	3L		Full Pot	0.45Cfr	9
URMUMW	Liriope muscari 'Munro White'	3L		Full Pot	No. 5	
LAVANVE	Lavandula angustifolia 'Vero'	10L	40-60cm	Bushy	No. 9	
						Total :239
Shrubs - Ornamental's in POS/Play Area						
Abbr	Species	Pot Size	Height	Habit	Density	Number
CAROSE	Carex oshimensis 'Evergold'	3L		Full Pot	0.5Cfr	29
EUOGOLA	Euonymus fortunei 'Emerald 'n' Gold'	3L	20-30cm	Bushy	0.5Cfr	36
LAVANHI	Lavandula angustifolia 'Hidcote'	3L	20-30cm	Bushy	0.5Cfr	35
URMUJ	Liriope muscari	3L		Full Pot	0.5Cfr	35
PENVI	Pennisetum villosum	3L		Full Pot	0.5Cfr	42
						Total :177
Herbaceous Grasses						
Abbr	Species	Pot Size	Height	Habit	Density	Number
DESCA	Deschampsia caespitosa	3L		Full Pot	0.5Cfr	351
DECGU	Deschampsia caespitosa 'Goldtau'	3L		Full Pot	0.5Cfr	511
LUZNIWA	Luzula nivea	3L		Full Pot	0.5Cfr	249
MISSML	Miscanthus sinensis 'Morning Light'	3L		Full Pot	0.5Cfr	485
						Total :1576
Native Structural Planting Mix						
Abbr	Species	Supply	Height	Mix Density	Area	Number
ACCA	Acer campestre	1+2 :Whip :5 brks :BR	125-150cm	5% 1Cfr	505.09m²	506
ALINGL	Alnus glutinosa	1+2 :Whip :3 brks :BR	125-150cm	3% 1Cfr	303.06m²	304
BETPENA	Betula pendula	1+2 :Whip :3 brks :BR	125-150cm	2% 1Cfr	202.04m²	203
CARBETA	Carpinus betulus	1+2 :Whip :4 brks :BR	125-150cm	5% 1Cfr	505.09m²	506
CORSANA	Cornus sanguinea	1+1 :3 brks :BR	60-80cm	10% 1Cfr	1010.2m²	1011
CORAVEA	Corylus avellana	1+1 :3 brks :BR	60-80cm	15% 1Cfr	1515.29m²	1516
CRMON	Crataegus monogyna	1+1 :3 brks :BR	60-80cm	35% 1Cfr	3535.69m²	3536
LONPER	Lonicera periclymenum	Bushy :C 2L	60-80cm	2% 1Cfr	202.04m²	203
MASY	Morus sylvestris	1+2 :Whip :4 brks :BR	125-150cm	3% 1Cfr	303.06m²	304
PRAV	Prunus avium	1+2 :Whip :3 brks :BR	125-150cm	2% 1Cfr	202.04m²	203
PRUSPB	Prunus spinosa	1+1 :3 brks :BR	60-80cm	5% 1Cfr	505.09m²	506
QURO	Quercus robur	1+2 :Whip :4 brks :BR	125-150cm	5% 1Cfr	505.09m²	506
ROSCA	Rosa canina	1+1 :3 brks :BR	60-80cm	3% 1Cfr	303.06m²	304
VIBOPUA	Viburnum opulus	1+1 :3 brks :BR	60-80cm	5% 1Cfr	505.09m²	506
						Total :10101.93m² Total :10114
Native Scrub Planting Mix						
Abbr	Species	Supply	Height	Mix Density	Area	Number
CORSA	Cornus sanguinea	1+1 :3 brks :BR	60-80cm	15% 1Cfr	343.23m²	345
CORAV	Corylus avellana	1+1 :3 brks :BR	60-80cm	25% 1Cfr	572.07m²	576
CYTSC	Cytisus scoparius	1+1 :3 brks :BR	60-80cm	10% 1Cfr	228.82m²	232
EUOEFS	Euonymus europaeus	1+1 :3 brks :BR	60-80cm	5% 1Cfr	114.41m²	118
ILEAQ	Ilex aquifolium	Bushy :3/5 brks :C 3L	60-80cm	5% 1Cfr	114.41m²	118
LIGVU	Ligustrum vulgare	Bushy :C 2L	60-80cm	15% 1Cfr	343.23m²	345
RHACA	Rhamnus cathartica	1+1 :3 brks :BR	60-80cm	10% 1Cfr	228.82m²	232
ROSCA	Rosa canina	1+1 :3 brks :BR	60-80cm	3% 1Cfr	68.64m²	71
ROSRUG	Rosa rugosa	1+1 :3 brks :BR	60-80cm	2% 1Cfr	45.75m²	48
VIBOP	Viburnum opulus	1+1 :3 brks :BR	60-80cm	10% 1Cfr	228.82m²	232
						Total :2288.2m² Total :2317
Native Scrub Planting Mix (Thornless)						
Abbr	Species	Supply	Height	Mix Density	Area	Number
CORSA	Cornus sanguinea	1+1 :3 brks :BR	60-80cm	20% 1Cfr	99.11m²	101
CORAV	Corylus avellana	1+1 :3 brks :BR	60-80cm	30% 1Cfr	148.66m²	151
CYTSC	Cytisus scoparius	1+1 :3 brks :BR	60-80cm	10% 1Cfr	49.56m²	52
EUOEFS	Euonymus europaeus	1+1 :3 brks :BR	60-80cm	10% 1Cfr	49.56m²	52
LIGVU	Ligustrum vulgare	Bushy :C 2L	60-80cm	15% 1Cfr	99.11m²	101
VIBOP	Viburnum opulus	1+1 :3 brks :BR	60-80cm	10% 1Cfr	49.56m²	52
						Total :495.56m² Total :509
Naturalised Bulbs						
Abbreviation	Species	Specification	Density	Number		
ANELBLF	Anemone blanda blue flowered Bulb		10/m²	281		
GALNI	Galanthus nivalis	bulb	10/m²	281		
HVANSBG	Hyacinthoides non-scripta	bulb	10/m²	281		
MUSARS	Muscari armeniacum 'Blue Spike' Bulb		10/m²	281		
						Total :1124