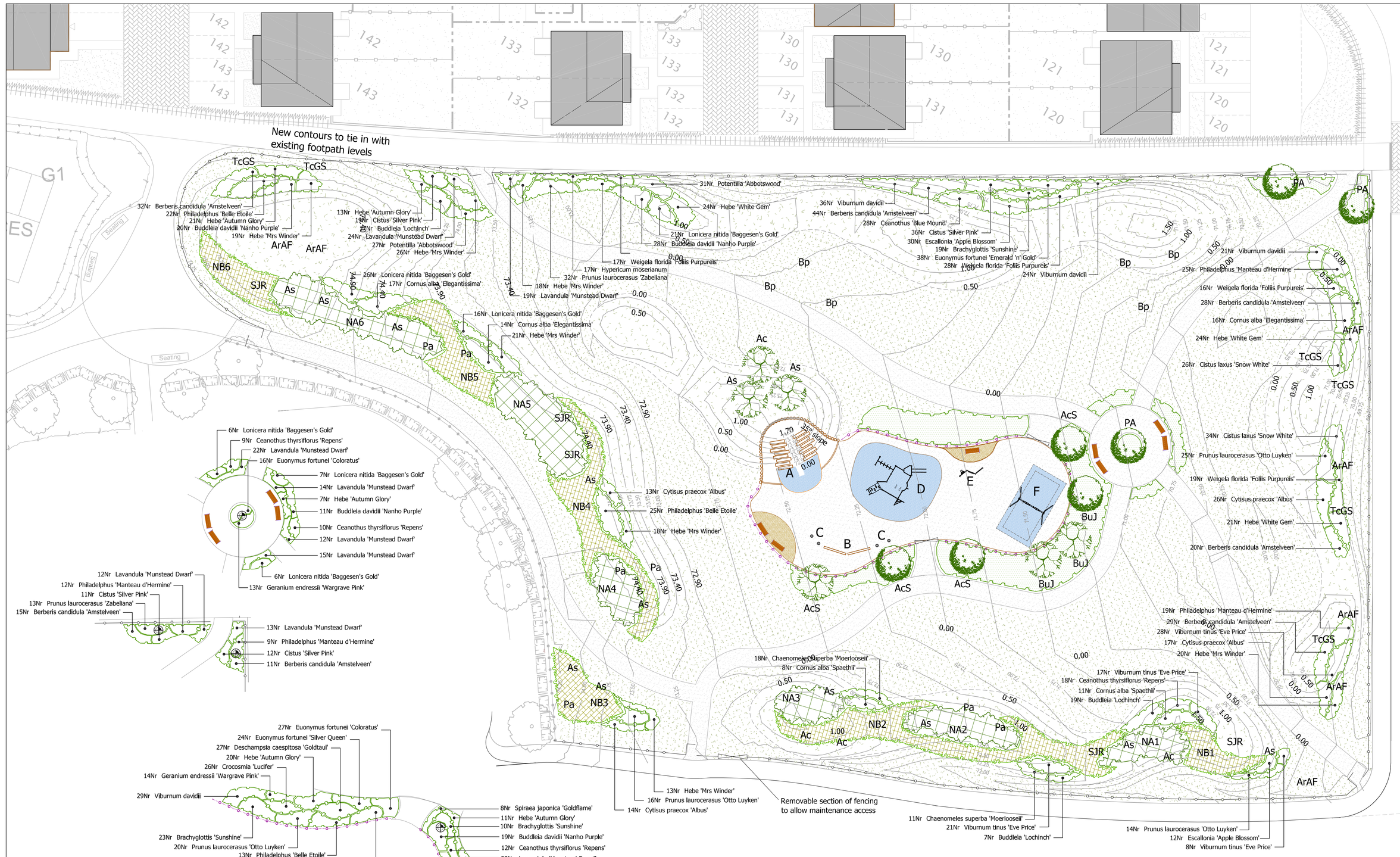

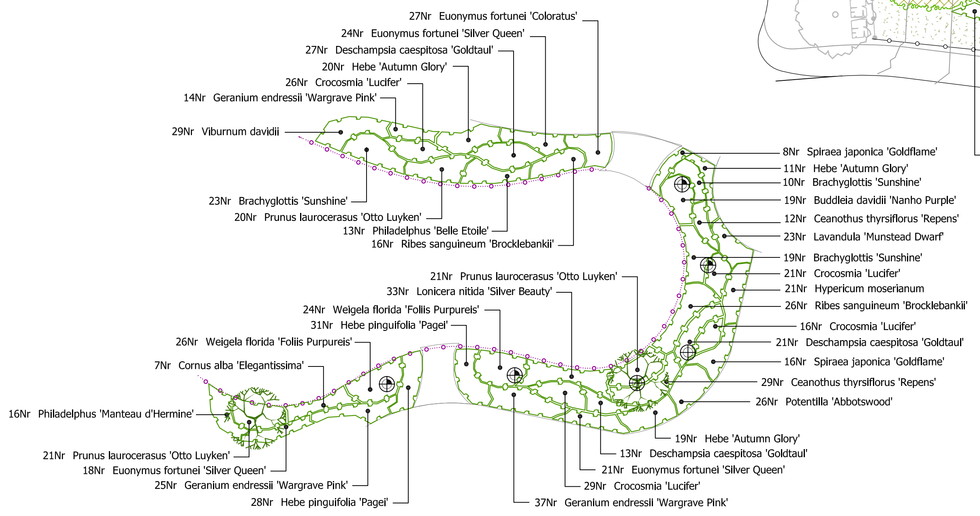

GENERAL POS PROPOSALS

The POS has been designed to provide an informal area of green space which provides for both passive and active recreation, incorporating informal landscaped areas and an enclosed play area designed to LEAP standards.

Extensive native tree and shrub planting to the southern and western boundaries will provide an effective screen to conceal the proposed supermarket, car park and petrol station. The northern and eastern boundaries of the POS, which adjoin the residential areas will be planted with drifts of ornamental shrub planting, designed to provide an attractive edge and to keep views open.

EARTH MOUNDING

Significant earth mounding is proposed throughout the open space. The mounds will be concentrated along the boundaries of the POS and will form a central feature within the play area. The mounds are to be undulating with some tiered at each meter interval. maximum gradient to be 1 in 3.

SOFT LANDSCAPING

TREE PLANTING

Extensive tree planting is proposed, generally concentrated along the southern and western boundaries in key locations to provide screening of the adjacent development whilst leaving view lines along footpaths clear. Tree planting will also be located around the play area to help define the boundary, enclose the space and to provide shade during the summer months. Species will be predominantly native parkland type trees with more ornamental cultivars located around the play area.

NATIVE STRUCTURE PLANTING

It is proposed that native tree and shrub planting be used to provide a buffer with the retail development to the south and west of the site and generally create a sense of a safe, enclosed space from within, separating the POS from the infrastructure beyond. The buffer planting will be a mosaic of tall and low growing native species with more ornamental planting to edges.

ORNAMENTAL SHRUB PLANTING

It is proposed to concentrate ornamental shrub planting around focal points, seating areas, entrances to the POS, to the residential boundaries and to the LEAP. Planting will be of robust species, chosen for all year round colour and scent interest.

GRASSLAND

It is proposed that the majority of grass areas within the POS be sown with a hard wearing amenity grass seed mix, suitable for providing areas for informal play and passive recreation. Areas of longer more ornamental grass will be located on and near the earth mounds, which near the native planting will increase biodiversity and provide a pleasant transition with shrubby planting.

For planting details, specification and schedules see drawing nr. R/1455/6.

NA1 - Native Shrub Mix A (0.75Ctr)
- 7Nr Cornus sanguinea
- 4Nr Corylus avellana
- 7Nr Euonymus europaeus
- 9Nr Ilex aquifolium
- 4Nr Rosa canina
- 17Nr Viburnum opulus

NA2 - Native Shrub Mix A (0.75Ctr)
- 7Nr Cornus sanguinea
- 5Nr Corylus avellana
- 7Nr Euonymus europaeus
- 10Nr Ilex aquifolium
- 5Nr Rosa canina
- 19Nr Viburnum opulus

NA3 - Native Shrub Mix A (0.75Ctr)
- 5Nr Cornus sanguinea
- 3Nr Corylus avellana
- 5Nr Euonymus europaeus
- 7Nr Ilex aquifolium
- 3Nr Rosa canina
- 13Nr Viburnum opulus

NA4 - Native Shrub Mix A (0.75Ctr)
- 6Nr Cornus sanguinea
- 4Nr Corylus avellana
- 6Nr Euonymus europaeus
- 8Nr Ilex aquifolium
- 4Nr Rosa canina
- 15Nr Viburnum opulus

NA5 - Native Shrub Mix A (0.75Ctr)
- 14Nr Cornus sanguinea
- 9Nr Corylus avellana
- 14Nr Euonymus europaeus
- 19Nr Ilex aquifolium
- 9Nr Rosa canina
- 33Nr Viburnum opulus

NA6 - Native Shrub Mix A (0.75Ctr)
- 15Nr Cornus sanguinea
- 10Nr Corylus avellana
- 15Nr Euonymus europaeus
- 21Nr Ilex aquifolium
- 10Nr Rosa canina
- 34Nr Viburnum opulus

NB1 - Native Shrub Mix B (0.75Ctr)
- 12Nr Crataegus monogyna
- 12Nr Prunus spinosa
- 4Nr Rosa arvensis
- 4Nr Rosa canina
- 4Nr Sambucus nigra
- 5Nr Viburnum opulus

NB2 - Native Shrub Mix B (0.75Ctr)
- 47Nr Crataegus monogyna
- 47Nr Prunus spinosa
- 15Nr Rosa arvensis
- 15Nr Rosa canina
- 15Nr Sambucus nigra
- 20Nr Viburnum opulus

NB3 - Native Shrub Mix B (0.75Ctr)
- 18Nr Crataegus monogyna
- 18Nr Prunus spinosa
- 6Nr Rosa arvensis
- 6Nr Rosa canina
- 6Nr Sambucus nigra
- 7Nr Viburnum opulus

NB4 - Native Shrub Mix B (0.75Ctr)
- 33Nr Crataegus monogyna
- 33Nr Prunus spinosa
- 11Nr Rosa arvensis
- 11Nr Rosa canina
- 11Nr Sambucus nigra
- 13Nr Viburnum opulus

NB5 - Native Shrub Mix B (0.75Ctr)
- 21Nr Crataegus monogyna
- 21Nr Prunus spinosa
- 7Nr Rosa arvensis
- 7Nr Rosa canina
- 7Nr Sambucus nigra
- 10Nr Viburnum opulus

NB6 - Native Shrub Mix B (0.75Ctr)
- 16Nr Crataegus monogyna
- 16Nr Prunus spinosa
- 5Nr Rosa arvensis
- 5Nr Rosa canina
- 5Nr Sambucus nigra
- 9Nr Viburnum opulus

PLAY AREA SCHEDULE AND NOTES

A. Playdale: 1.7m Embankment slide ESL
- Set into grass embankment and wet pour safety surfacing to run out apron

B. Sutcliffe: 2 x Balance Walk
- Set into Bark chipping surfacing

C. Sutcliffe: 4 x stepping pods DZA175
- Set into Bark chipping surfacing

D. Sutcliffe: Skeleton climber PZW763
- Set into wet pour safety surfacing

E. Sutcliffe: Play Fence comprising units DZA015 (Binocular), DZA215 (Oxo), DZA185 (Rotary Puzzle)
- set into bark chipping surface

F. Sutcliffe: 2.4m swing, 1 cradle seat, 1 flat seat
- Set into wet pour safety surfacing

Play equipment suppliers contact details:

Playdale Playgrounds Ltd
Haverthwaite
Ulverston
Cumbria
LA12 8AE
Tel: 015395 39837

Sutcliffe Play Ltd
Waggon Lane
Upton
Pontefract
West Yorkshire
WF9 1JS
Tel: 01977 653200

SPECIFICATION

PLAY EQUIPMENT

Play equipment to be erected all in accordance with manufacturers instructions. Unilogs to be safe for use in children's play areas and conform to EN1176. Timbers shall come from a guaranteed source such as A E Evans, lightwood green, Overton on Dee, Wrexham LL13 0HU (Tel: 01978 710445/6). All timbers shall be first grade timbers with chamfered tops. Timbers to be ordered to length not cut.

FENCING AND GATES

The central play area is to be fenced with 1000mm high galvanised steel, bow top fencing finished in green with unilog timber fencing to earth mounding. Timber fencing height to be 1000mm following the contours of the mounding. Where fencing adjoins grass a 150mm hard surface mowing strip shall be provided.

Pedestrian gates shall have a minimum of 1.2m clear opening width with a heavy duty, hydralic self closing mechanism, (recommended supplier MGC Medway Galvanising Company Ltd, Tel: 01795 479489). Double leaf gate to be installed to northern entrance to provide vehicular access. Gates are to be finished in blue and be safe for use by children in terms of finger traps etc and in accordance with EN 1176.

SURFACING

Play area to be surfaced as specified, with coloured EPDM rubber crumb wet pour safety surfacing. Wet pour to conform to BS EN 1176 and be supplied to sufficient depths to accord with the equipment manufacturers recommended depths. Colours used shall be 'full colour' as detailed on the drawing. Edging between safety surface and tarmac where curved to be a flexible edging such as Asphalt Edge (Tel: 01772 622828) or similar approved. Remaining edging to tarmac shall be 150x50mm pcc flat topped edging.

SEATS AND BENCHES

7 no. Broxap BX29 2130-RT Saltwell Steel Framed Seat with extended legs for ground fixing into concrete foundations.
Tel: 0844 800 408

1 no. Furnitubes Boston BOS 490 T Root mounted timber slatted Litter Bin
Tel: 020 8378 3200

PLANTING SCHEDULES

SHRUB SCHEDULE

Nr	Plant Name	Ht in cm	Pot (L)	Density
179	Berberis candidula 'Amstelveen'	25-30cm	3L	5.00
76	Brachyglottis 'Sunshine'	30-40cm	3L	4.00
43	Buddleia 'Lochinch'	40-60cm	3L	3.00
79	Buddleia davidii 'Nanho Purple'	40-60cm	3L	4.00
28	Ceanothus 'Blue Mound'	30-40cm (D)	3L	4.00
78	Ceanothus thyrsiflorus 'Repens'	30-40cm (D)	3L	5.00
29	Chaenomeles superba 'Moerlooseii'	40-60cm	3L	4.00
78	Cistus 'Silver Pink'	30-40cm	3L	5.00
60	Cistus laxus 'Snow White'	30-40cm	3L	5.00
47	Cornus alba 'Elegantissima'	60-80cm	3L	2.00
19	Cornus alba 'Spaethii'	60-80cm	3L	2.00
92	Crocosmia 'Lucifer'		3L	7.00
70	Cytisus praecox 'Albus'	40-60cm	3L	4.00
61	Deschampsia caespitosa 'Goldtaul'		3-4L	5.00
42	Escallonia 'Apple Blossom'	30-40cm	3L	4.00
55	Euonymus fortunei 'Coloratus'	20-30cm (D)	3L	6.00
38	Euonymus fortunei 'Emerald 'n' Gold'	20-30cm (D)	3L	6.00
63	Euonymus fortunei 'Silver Queen'	20-30cm (D)	3L	6.00
89	Geranium endressii 'Wargrave Pink'		3L	6.00
90	Hebe 'Autumn Glory'	20-30cm	3L	4.00
135	Hebe 'Mrs Winder'	30-40cm	3L	4.00
69	Hebe 'White Gem'	30-40cm	3L	4.00
59	Hebe pinguifolia 'Pagei'	20-30cm (D)	3L	6.00
38	Hypericum moserianum	30-40cm	3L	5.00
158	Lavandula 'Munstead Dwarf'	20-30cm	3L	6.00
82	Lonicera nitida 'Baggesen's Gold'	30-40cm	3L	4.00
33	Lonicera nitida 'Silver Beauty'	30-40cm	3L	5.00
60	Philadelphus 'Belle Etoile'	30-40cm	3L	3.00
81	Philadelphus 'Manteau d'Hermine'	30-40cm	3L	4.00
84	Potentilla 'Abbotswood'	25-30cm (D)	3L	5.00
117	Prunus laurocerasus 'Otto Luyken'	30-40cm	3L	4.00
45	Prunus laurocerasus 'Zabeliana'	30-40cm (D)	3L	4.00
42	Ribes sanguineum 'Brocklebankii'	40-60cm	3L	4.00
23	Spiraea japonica 'Goldflame'	30-40cm	3L	4.00
110	Viburnum davidii	20-30cm	3L	5.00
74	Viburnum tinus 'Eve Price'	30-40cm	3L	4.00
130	Weigela florida 'Follis Purpureis'	30-40cm	3L	4.00

All shrub material shall be first quality, sturdy, well rooted non-refridgerated stock with well branched heads and fibrous root systems. Shrubs shall be planted into 450mm good quality fibrous topsoil incorporating organic compost and slow release fertiliser in accordance with all good horticultural practice.
All plant material shall be a minimum of 3L pot size unless otherwise specified and conform to BS3936 Part 1 and BS 4428. Finished beds shall be lightly forked over and dressed with 50mm coarse forest bark mulch.

TREE SCHEDULE

SPECIES	Ht in m	NUMBERS REQUIRED 2.5-3.0	3.5-4.25	4.0-6.0
	Girth in cm	8-10	12-14	14-16
Acer campestre (Ac)		3	-	-
Acer campestre 'Streetwise' (AcS)		-	1	3
Acer rubrum 'Autumn Fire' (ArAF)		7	-	-
Acer saccharinum (As)		11	-	-
Betula pendula (Bp)		6	-	-
Betula utilis 'Jacquemontii' (BuJ)		-	2	1
Prunus 'Accolade' (PA)		-	-	3
Prunus avium (Pa)		7	-	-
Sorbus 'Joseph Rock' SJR		5	-	-
Tilia cordata 'Greenspire' (TcGS)		6	-	-

All trees to have clear stems to 1.8m above ground level and 2.0m above ground level for extra heavy standard trees with well developed branching heads with a single, central leader and healthy, fibrous root systems.
Trees shall be planted into pits of an appropriate size to accommodate the root system without restriction, backfilled with a 3:1 topsoil:compost mix and shall be secured to a machine rounded stake using 1 no. tree tie with rubber spacer. Finished height of stake shall not exceed 1/3 height of staked tree above ground. Foundation design of new buildings shall accommodate proposed tree planting in accordance with NHBC guidelines.

NATIVE SPECIES PLANTING

Nr	Plant Name	Height/cm	Root
54	Cornus sanguinea	40-60cm	C
35	Corylus avellana	40-60cm	B
147	Crataegus monogyna	40-60cm	B
54	Euonymus europaeus	40-60cm	C
74	Ilex aquifolium	40-60cm	C
147	Prunus spinosa	60-80cm	B
48	Rosa arvensis	40-60cm	B
83	Rosa canina	40-60cm	B
48	Sambucus nigra	60-80cm	B
195	Viburnum opulus	40-60cm	B

All plant material shall conform to BS3936 Parts 1and 4 and BS 4428.
Topsoil to comply with BS3882, 1994.
Organic matter to be proprietary shrub planting compost, or approved compost derived from recycled organic matter. Slow release fertiliser to be 'Enmag' or similar.
450mm depth subsoil to be spread over area to be planted. Transplants to be notch planted into prepared ground.
Planted at 750mm centres (3/m²) in staggered rows in speces groups of 3, 9 15. Rosa arvensis and Viburnum opulus to be planted towards the front of the planting beds.

GRASS SEEDING

LOW MAINTENANCE GRASS MIX

100mm depth of topsoil complying with BS3882 to be spread to area.
Pre-seed fertiliser to be applied at 50gm/m². Soil to be cultivated using a rotovator, to 50mm depth then further cultivated and rolled to produce a firm seed bed.
Low maintenance grass seed mix such as British Seed Houses A22 mix to be sown at 35gm/m2.

WILDFLOWER MIX

Although the wildflower mix is to be sown into a low fertility subsoil it is important that the subsoil is of a good quality, free draining and free from building rubble, stone and all noxious weed.
Subsoil to be cultivated using a rotovator, to 30mm depth then further cultivated and rolled to produce a firm seed bed.
The areas specified are to be sown with Emorsgate EN1 seed mix which can be obtained from Emorsgate seed suppliers (Tel: 01553 829028).

KEY

- Proposed standard tree (8-10cm girth)
- Proposed heavy standard tree (12-14cm girth)
- Proposed extra heavy standard tree (14-16cm girth)
- Proposed ornamental shrub & herbaceous perennial planting
- Proposed native species mix
- Proposed native species edge mix
- Proposed low maintenance amenity grass seed
- Proposed wildflower grass seed mix
- Proposed footpaths
- Proposed 450 high trip rail
- Proposed bow top playground fencing
- Proposed tarmac surfacing (black)
- Proposed tarmac surfacing (buff)
- Proposed wet pour safety surface in blue (to depths recommended by equipment manufacturers)
- Proposed unilogs fencing
- Proposed entrance chicanes

REV.B: Amendment to wildflower seed mix specification — Sep 2013
REV.A: Contours and levels updated in-line with engineers drawing C2001. — Aug 2013

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client: PERSIMMON HOMES

project: Residential Development Royston High School, Royston

drawing title: PUBLIC OPEN SPACE DETAILS

scale	date	drawn by	drawing no
1:200/A0	June 13	EW	R/1455/5B