PROPOSED WILDLIFE HABITAT BOXES

Vivaro Pro Woodstone House Sparrow Boxes

Eco Starling Nest Box

Schwegeler 1FF bat box

Climbers (4m2)
29nr Clematis montana
29nr Hedera helix 'Green Ripple'
29nr Hydrangea anomala petiolaris
29nr Lonicera periclymenum
29nr Parthenocissus tricuspidata 'Veitchii'

Scrub Planting Mix (1.00 ctr)
115nr Crataegus monogyna
86nr Cytisus scoparius
115nr Prunus spinosa
29nr Rosa canina
29nr Rubus fruticosa
86nr Ulex europaeus
115nr Viburnum opulus

KEY

Existing trees, hedges and vegetation to be retained.

Existing trees, hedges and vegetation to be removed.

Semi mature specimen tree (30-35cm) girth in bespoke Corten steel tree grille

Proposed Extra heavy standard (16-18cm girth) tree

Proposed advanced nursery stock 16-18cm girth tree (tree grille and extent of tree pit shown on car park bays)

Proposed mixed native species shrub planting

Proposed ornamental shrub planting

Proposed climbers

Proposed turf

Species rich grassland

Existing railings to remain unchanged

New gabion facing baskets fixed to continuous piled wall (retaining) to 1500m high open boarded timber fencing to be installed to the rear of the retaining wall (detailed by others)

New gabion-faced wall fixed back to sheet piling to plant area/ delivery bay. 1500mm open-boarded timber fencing to be installed to the rear of the retaining wall (detailed by others)

New gabion retaining wall, 1.5m high open boarded timber fencing to be installed to the rear of the wall (detailed by others)

Existing buttress to remain and be repaired and shortened as required (subject to engineers review)

Proposed 2500mm high close boarded timber fence (detailed by others)

Proposed 1800mm high close boarded timber fence, existing boundaries to remain unchanged (detailed by others)

Proposed 2000mm high paladin fence to plant area, existing boundaries to remain unchanged (detailed by others)

Proposed 1800mm high timber close boarded acoustic fence (detailed by others)

Repurposed stone wall, repaired where necessary and iron railing infill panels

Existing wall forms boundary

Existing fence forms boundary

Proposed pencil edged paving setts laid herringbone (detailed by others)

Proposed stone mastic asphalt (sma) with 10mm chip to car park area as per Lidl specification (detailed by others)

Proposed polymer modified bitumen (pmb) hgv routes and heavily trafficked areas as per Lidl specification (detailed by others)

Proposed stone mastic asphalt (sma) with 10mm chip to pedestrian circulation areas as per Lidl specification (detailed by others)

Loading bay and plant area base formed in concrete with stippled finish (detailed by others)

Curved timber and corten steel seating

EXISTING LEVELS RETAINED UNDER TREES

SUBSTATION

El Sub Sta

Track

398a

398

396

400

402

394

PROTECTION OF EXISTING VEGETATION

Trees to be protected where necessary during works by a tree protective barrier, secured to a scaffold tubing framework with fluorescent tape to the top rail. Protective fencing shall be erected on the canopy drip line wherever possible. Laminated, waterproof A4 signs shall be fixed to the fence posts at 10m intervals bearing the words 'PROTECTED TREE ZONE - NO STORAGE OR OPERATIONS WITHIN FENCED AREA'.
Tracking of machinery, storage of chemicals and building materials shall not be permitted within the protected area. Leaks or spills should be removed immediately and the contaminated soil replaced. No bonfires shall be lit within 5m of the canopy spread. Any excavation work beneath the canopy spread shall be carried out by hand.
All works affecting trees within the development shall be subject to BS 5837:2012.

PLANTING SCHEDULES

SCRUB PLANTING SCHEDULE

Nr	Name	Height/cm	Age	Root	Pol/L
115	Crataegus monogyna	60-80cm	1/1	B	
86	Cytisus scoparius	40-60cm		C	2L
115	Prunus spinosa	60-80cm	1/0	B	
29	Rosa canina	30-40cm	1/0	B	
29	Rubus fruticosa	30-40cm	1/0	B	
86	Ulex europaeus	30-40cm		C	3L
115	Viburnum opulus	60-80cm	1/1	B	

CLIMBERS PLANTING SCHEDULE

Nr	Name	Ht in cm	Pot(L)
29	Clematis montana	40-60cm	2L
29	Hedera helix 'Green Ripple'	40-60cm	2L
29	Hydrangea anomala petiolaris	40-60cm	2L
29	Lonicera periclymenum	40-60cm	2L
29	Parthenocissus tricuspidata 'Veitchii'	50-60cm	3L

ORNAMENTAL PLANTING SCHEDULE

Shrub

Nr	Name	Ht in cm	Pot(L)	Density
93	Berberis thunbergii 'Atropurpurea Nana'	20-25cm	3L	5.00
49	Ceanothus thyrsiflorus repens	30-40cm(D)	3L	5.00
16	Choisya 'Aztec Pearl'	30-40cm	3L	5.00
84	Choisya ternata 'Sundance'	30-40cm	3L	5.00
61	Cistus 'Silver Pink'	30-40cm	3L	5.00
144	Escallonia 'Apple Blossom'	30-40cm	3L	5.00
59	Escallonia 'Donard Radiance'	40-60cm	3L	5.00
143	Euonymus fortunei 'Emerald Gaiety'	20-30cm(D)	3L	5.00
83	Euonymus fortunei 'Emerald n Gold'	20-30cm(D)	3L	5.00
101	Hebe albicans 'Red Edge'	20-25cm	3L	5.00
48	Hebe pinguifolia 'Sutherlandii'	20-25cm	3L	5.00
52	Hebe 'White Gem'	30-40cm	3L	5.00
177	Lavandula angustifolia 'Hidcote'	20-25cm	3L	5.00
77	Pachysandra terminalis	20-30cm(D)	3L	5.00
126	Philadelphus 'Manteau d'Hermine'	30-40cm	3L	5.00
191	Prunus laurocerasus 'Otto Luyken'	30-40cm	3L	5.00
84	Santolina chamaecyparissus nana	20-25cm	3L	5.00
68	Skimmia japonica 'Rubella'	30-40cm	3L	5.00
181	Viburnum davidii	20-25cm	3L	5.00

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 (To BS BS3882:2015) incorporating organic compost and slow release fertiliser in accordance with all good horticultural practice.

A proprietary geotextile membrane (colour: Black) is to be installed between the soil and mulch of the planted areas cut with T or X slits to fit around the plants as required. 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 dressed with a coarse amenity grade forest bark mulch (nominal particle size 5-75mm), to approved sample.

TREE SCHEDULE

SPECIES	Ht in m / Girth in cm	NUMBERS REQUIRED 4.5+ / 16-18	NUMBERS REQUIRED 4.5+ / 30-35
Acer campestre (Ac)		3	
Acer campestre 'Elsrijk' (AcE)		8	
Betula pendula (Bp)		5	
Betula utilis 'Jacquemontii' (BuJ)		6	
Liquidamber styraciflus (Ls)		-	1
Pyrus calleryana 'Chanticleer' (PcC)		5	
Sorbus aucuparia (Sau)		2	
Sorbus aucuparia 'Sheerwater Seedling' (SaSS)		4	

All trees to have clear stems to 2.0m above ground level 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.
Where trees are proposed next to any existing or proposed boundary, root barrier such as Greentech Rootbarrier 360 is to be run along the face of the wall/fence for 3m in length, in both directions, from a perpendicular line drawn from the trunk to the boundary. This will prevent tree roots from affecting any footings/foundations or encroaching into any adjacent gardens.

TURFED AREAS

The topsoiled area to be turfed, is to be grade and cross-graded to even running falls, to allow the finished levels of the turf to be 40mm above the adjoining paved areas.
The surface should be lightly and uniformly firmed by rolling or treading and reduced to a fine tiilth up to 25mm in depth. All rubbish, stones greater than 50mm in diameter etc, shall be removed from the surface. Apply an even application of approved fertiliser at a rate of 70g/m² and rake in. No turves shall be laid in exceptionally frosty weather or in other unsuitable weather conditions.
The turves shall be laid in a stretcher bond pattern, closely butted and firmed into position, to the correct levels. The turves should be laid off planks, working over turves previously laid. A dressing of fine, sifted topsoil (complying with BS 3882) should be applied to the laid turf and brushed well into the joints.
Turves shall be watered regularly to prevent them drying out before they establish.

SPECIES RICH GRASS

e.g. Emorsgate EL1 Flowering Lawn Mixture, an 80:20 mix of grasses & native wildflowers. Ensure all weeds have been removed using repeated cultivation or a herbicide. Then plough or dig to bury the surface vegetation, harrow or rake to produce a medium tilth, and roll or tread to produce a level firm surface. Seed is best sown in the autumn or spring but can be sown at other times of the year if there is sufficient warmth and moisture. The seed must be surface sown and can be applied by machine or broadcast by hand. To get an even distribution and avoid running out, divide the seed into two or more parts and sow in overlapping sections. Do not incorporate or cover the seed, but firm in with a roll, or by treading, to give good soil/seed contact. Sowing rate 4g/m2.

Rev L: Climber mix updated (SF) Feb 23
Rev K: Updated to layout P417D (SF) Jan 23
Rev J: Additional tree planting to centre of car park (SF) Sept 21
Rev H: Amended in line with Proposed Site Plan Rev AJ and feature seating and tree added to entrance area (SF) August 21
Rev G: Amended in line with Proposed Site Plan Rev AF (SF) March 21
Rev F: Amended in line with Proposed Site Plan Rev AD (SEL) Sept 20
Rev E: Note added to tree schedule re root barrier (SEL) Jan 20
Rev D: Amended in line with proposed Site Plan Rev AC (SEL) Nov 19
Rev C: Amendment to climbing mix and habitat boxes added (SEL) Jun 19
Rev B: Amended in line with client comments (SEL) Apr 19
Rev A: Boundaries amended in line with client comments (SEL) Apr 19

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scale	date	drwn by	drawing no
1:250 @A1	Mar 19	SEL	R/2175/2L