



MACKELLAR SCHWERDT ARCHITECTS

MERIDIAN COMMUNITY PRIMARY SCHOOL PEACEHAVEN, EAST SUSSEX

DETAILED PLANT SCHEDULE

Detailed Plant Schedule and Specification

Approved By: Joe Jackson
Signed:
Position: Principal
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1.0 Introduction

- 1.1 Lizard Landscape Design has been commissioned to prepare a soft landscape design strategy for the Meridian Community Primary School, Peacehaven development proposals and extension of a new school building with associated pedestrian access and hard play areas; the proposals include a frontage and boundary planting scheme and landscape scheme enhancement of the proposed extension.
- 1.2 The following report provides a landscape context for the development proposals and considers the existing tree and vegetation cover for retention and protection within the scheme proposals, combined with the potential for enhancement of the tree and shrub planting cover within the ecological / landscape scheme proposals.
- 1.5 Based upon the scheme proposals for the development, the landscape and ecological enhancement measures have been designed and specified with the aim of enhancing species biodiversity within the development site whilst strengthening the identity of the proposed school extension development. A detailed plant list and specification for the proposed habitat and landscape types has been provided within the following report.
- 1.6 The landscape and ecological design strategy for the Meridian Community Primary School development has been prepared by Keith Miller (*BA (Hons) MALA*); *Landscape Architect; Lizard Landscape Design and Ecology, Worthing.*

2.0 Meridian Community Primary School – Existing Site

- 2.1 The site is utilised as a primary school and as such is dominated by areas of building and hardstanding / bare ground. School buildings are concentrated to the north of the school site with car parking to the north-west while the southern section is formed largely of playing fields. The site comprises a mix of habitats comprising introduced shrub; and scattered trees and hedging to the site boundaries further outlined within the Extended Ecology Phase 1 Habitat Survey report (*Lizard Landscape Design*).
- 2.2 The dominant character of the site is essentially of built form, hard standing and open playing fields devoid of mature vegetation with vegetation located primarily to the site boundaries. The school is accessed to the western edge of the site via a treelined driveway link to Roderick Avenue. Tree planting extends across and within the entrance car park with scattered tree specimens (predominantly Whitebeam) situated within pockets of soft landscaped shrub planting areas. The car park is contained to the northern edge by a substantial massing of ornamental shrub planting and which forms the southern edge of the habitat area / wildlife garden.
- 2.3 The habitat area is located to the north western edge of the site and comprises the greatest concentration of mature vegetation and trees, especially held to the western and north western site boundaries and offers amenity value to the residential boundary of the school and includes a grouping of understorey scrub vegetation adjacent to school entrance below wildlife garden. Scattered trees extend along the northern boundary.
- 2.4 The eastern boundary is largely devoid of mature trees or structural vegetation. A mature and substantial Beech tree is located to the southern edge of the eastern boundary, flanked by two Whitebeam trees and a stand of young Poplar trees within rough grassland. The southern site edge contains only scattered trees; a number of these are mature specimens and offer some amenity to the residential boundary.

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- 2.5 The western playing field boundary is better vegetated in terms of continuous shrub with occasional young trees within but is devoid of significant specimens. The majority of the eastern and southern site area is given over to playing field and hard play areas; a singular isolated specimen (Field Maple) is located between the two areas and has not formed significant canopy cover.

3.0 Landscape Strategy and Ecological Enhancement Measures

- 3.1 *(The soft landscape proposals for Meridian Community Primary School have been indicated within the following drawings; LLD954 Soft Landscape Layouts; LLD954 Detailed Planting Plans and within the following Detailed Plant Schedules.)*

Landscape and Ecological Design Strategy

- 3.2 The development plan for the Meridian Community Primary School, Peacehaven includes an ecological and landscape strategy which aims to retain and enhance the existing landscape and ecological features present within the existing site area. The development proposals provide the opportunity to enhance the species biodiversity within the development site with habitat enrichment and creation to the development site boundaries, in particular to the proposed car park and fringes of the existing wildlife garden, and to the surrounds of the proposed extension and hard play area.
- 3.3 Proposed feature planting areas shall provide enhanced replenishment of western boundary vegetation to the western edge of the proposed car park. Flowering shrubs and low ground cover with specimen and accent planting would enhance the proposed parking areas and provide reinforcement of school boundary and entrance to the school wildlife garden. The proposed feature planting areas shall comprise native tree planting and native mixed species boundary hedgeline planting to the western boundary. The planting would provide containment of existing habitat area / wildlife garden and reinforcement of school boundary.
- 3.4 The feature car park planting areas would incorporate specimen tree planting with flowering shrubs and low ground cover with specimen and accent planting forming identity to the school frontage and proposed parking areas.
- 3.5 Native Wildflower Grassland seeding should be implemented to areas of disturbed / bare ground following construction activity. The wildflower grassland would further enhance and enrich biodiversity of existing habitat garden.
- 3.6 A new external deck is to be provided to the northern edge of the school site. Proposed feature planting including specimen tree planting with bands of flowering shrubs would provide visual interest and amenity to the proposed feature terrace garden. Further specimen tree and shrub planting would edge and soften the proposed pedestrian access and ramp immediately south of the terrace garden.
- 3.7 The proposed school extension incorporates a pedestrian terrace to the southern elevation of the building and which extends to the reconfigured hard play area and provides access to the school playing fields. Proposed feature planting areas would comprise ornamental flowering shrubs, low ground cover planting areas with specimen and accent planting forming visual interest and enhancement of the proposed school building, pedestrian terrace and hard play area. Treeline tree planting would provide verticality and continuity to these areas.
- 3.8 The proposed soft landscape scheme would include wildflower grassland seeded areas, specimen flowering shrubs, groundcover planting and native tree planting increasing forage opportunity for protected species of reptiles, invertebrates, and birds increasing and enriching the ecological baseline mosaic.

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4.0 Detailed Planting Schedule and Specification

Native and Specimen Tree Planting	Size	Root	Density	Total
<i>Acer campestre</i> (Field Maple)	14 – 16 cm Girth Size; 4.25 – 6.0m height; Standard Extra Heavy.	RB / CG	As Shown	3
<i>Sorbus aria</i> 'Magnifica' (Whitebeam)	14 – 16 cm Girth Size; 4.25 – 6.0m height; Standard Extra Heavy.	RB / CG	As Shown	8
<i>Tamarix aestivalis</i> (Salt Cedar)	10 – 12 cm Girth Size; 3.0 – 3.5m height; Standard Select.	RB / CG	As Shown	2

Native Hedge Planting	Size	Root	Density	Total
<i>Acer campestre</i> (Field Maple)	60 – 80cm height;	BR / CG	400mm centres	60
<i>Corylus avellana</i> (Hazel)	60 – 80cm height;	BR / CG	400mm centres	60
<i>Crataegus monogyna</i> (Hawthorn)	60 – 80cm height;	BR / CG	400mm centres	60
Ornamental Hedge Planting				
<i>Griselinia littoralis</i>	60 – 80cm height;	BR / CG	400mm centres	60

RB – Root Ball; CG – Container Grown; BR – Bare Root

Native Hedgeline Planting: 2 no. staggered rows set 400mm apart; even species distribution;
Ornamental Hedgeline Planting: single row.

Specimen Planting	Size	Root	Density	Total
<i>Choisya</i> 'Aztec Pearl'	30 - 40 cm height	10L CG	As Shown	20
<i>Cornus alba</i> 'Ivory Halo'	80 - 100 cm height;	10L CG	As Shown	8
<i>Corylus avellana</i>	80 - 100 cm height;	15L CG	As Shown	2
<i>Miscanthus sinensis</i> 'Gracillimus	Full Pot	5L CG	As Shown	26
<i>Phormium</i> 'Cream Delight'	Triple Crown	10L CG	As Shown	42
<i>Photinia x fraseri</i> 'Red Robin'	60 - 80 cm height;	10L CG	As Shown	1
<i>Skimmia japonica</i> 'Fragrans'	40 – 60 cm height	10tr CG	As Shown	3
<i>Tamarix ramosissima</i> 'Pink Cascade'	60 - 80 cm height;	10L CG	As Shown	3

RB – Root Ball; CG – Container Grown

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Ground Cover / Shrub Planting Areas	Size	Root	Density	Total
<i>Caryopteris x clandonensis</i> 'Heavenly Blue'	20 - 30 cm height	3 ltr CG	4 / m ²	43
<i>Ceanothus thyrsiflorus</i> <i>repens</i>	30 - 40 cm height;	3 ltr CG	3 / m ²	99
<i>Cistus x purpureus</i>	30 - 40 cm height;	3 ltr CG	3 / m ²	29
<i>Cytisus x praecox</i> 'Albus'	40 - 60 cm height;	3 ltr CG	3 / m ²	49
<i>Euonymus fortunei</i> 'Silver Queen'	30 - 40 cm height	3ltr CG	3 / m ²	43
<i>Geranium macrorrhizum</i> 'Bevans Variety'	Full Pot	2 ltr CG	4 / m ²	48
<i>Hebe</i> 'Autumn Glory'	20 - 30 cm height	3 ltr CG	4 / m ²	152
<i>Helictotrichon sempervirens</i>	Full Pot	3 ltr CG	3 / m ²	18
<i>Heuchera</i> 'Palace Purple'	Full Pot	2 ltr CG	4 / m ²	82
<i>Lavandula angustifolia</i> 'Hidcote'	20 – 30 cm height.	3 ltr CG	4 / m ²	254
<i>Liriope muscari</i>	Full Pot	1 ltr CG	5 / m ²	7
<i>Sarcococca hookeriana</i> var. <i>humilis</i>	20 – 30 cm height	3 ltr CG	3 / m ²	48
<i>Viburnum davidii</i>	20 – 30 cm height	3 ltr CG	3 / m ²	15
<i>Vinca major</i> 'Variegata'	15 – 20 cm height.	2 ltr CG	4 / m ²	62

RB – Root Ball; CG – Container Grown

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Herbaceous Planting	Size	Root	Density	Total
<i>Actaea matsumurae</i> 'White Pearl'	Full Pot	2 ltr CG	As Shown	15
<i>Echinacea</i> 'Tomato Soup' (PBR)	Full Pot	2 ltr CG	As Shown	5
<i>Linaria purpurea</i> 'Canon Went'	Full Pot	1 ltr CG	As Shown	4
<i>Monarda</i> 'Squaw'	Full Pot	2 ltr CG	As Shown	8
<i>Nerine bowdenii</i> 'Alba'	Full Pot	2 ltr CG	As Shown	14
<i>Perovskia atriplicifolia</i> 'Blue Spire'	30 - 40 cm height	5L CG	As Shown	17
<i>Sanguisorba officinalis</i> 'Red Thunder'	Full Pot	2 ltr CG	As Shown	12
<i>Verbena rigida</i>	Full Pot	1 ltr CG	As Shown	6

RB – Root Ball; CG – Container Grown

Standard General Purpose Meadow Grassland and Wildflower Mix		% of Mix		
Native Wildflowers				
<i>Achillea millefolium</i>	Yarrow	0.5		
<i>Centaurea nigra</i>	Common Knapweed	0.5		
<i>Daucus carota</i>	Wild Carrot	1.0		
<i>Galium verum</i>	Lady's Bedstraw	2.5		
<i>Knautia arvensis</i>	Field Scabious	1.0		
<i>Leucanthemum vulgare</i>	Oxeye Daisy	2.0		
<i>Lotus corniculatus</i>	Birdsfoot Trefoil	0.5		
<i>Plantago lanceolata</i>	Ribwort Plantain	1.0		
<i>Primula veris</i>	Cowslip	1.5		
<i>Prunella vulgaris</i>	Selfheal	2.5		
<i>Ranunculus acris</i>	Meadow Buttercup	3.0		
<i>Ranunculus bulbosus</i>	Bulbous Buttercup	2.0		
<i>Rhinanthus minor</i>	Yellow Rattle	1.5		
<i>Rumex acetosa</i>	Common Sorrel	0.5		
Native Grasses				
<i>Agrostis capillaris</i>	Common Bent	8.0		
<i>Cynosurus cristatus</i>	Crested Dogstail	40.0		
<i>Festuca rubra</i>	Slender-creeping Red Fescue	28.0		
<i>Phleum bertolonii</i>	Smaller Cat's-tail	4.0		
General Purpose Meadow Grassland Mix and Wildflower Mix Wildflower areas to be seeded with Emorsgate 'EM2 - Standard General Purpose Meadow Mixture' or equal and approved.	Sown at a rate of; 4gms / m ²			

Standard General Purpose Meadow Grassland and Wildflower Mix – to be implemented to bare / disturbed ground following construction activity.