LANDSCAPE STRATEGY

AIM: TO PROVIDE A LANDSCAPE THAT PROVIDES FOR PEOPLE AND WILDLIFE RESULTING IN A NET GAIN FOR BIODIVERSITY

CONSTRAINTS:

- SOUTH DOWNS NATIONAL PARK
- DARK SKIES RESERVE
- HEATHLAND REUNITED PROJECT ZONE
- PERMSSIVE PATH G41 G CLASS HIGHWAY PASSING ALONG WEST BOUNDARY
- FREE DRAINING, SANDY, SLIGHTLY ACID SOILS
- HISTORIC FIELD BOUNDARIES, LANE AND WOODLAND SHOWN ON 1876 OS SURVEY MAP SUSSEX XXXVI.6
- EXISTING WOODLAND, TREES AND HEDGES ALONG BOUNDARIES AND GRASSLAND WITHIN THE SITE
- DRAINAGE TO RIVER ROTHER 200m NORTH OF SITE BOUNDARY AND 400m NORTH OF PROPOSED STRUCTURES

STRATEGY

- ALL LIGHTING COMPLIANT WITH CURRENT BCT/ILP LIGHTING GUIDANCE WITH DARK CORRIDORS ALONG ALL BOUNDARIES. FLOODLIGHTS COWLED TO ENSURE NO UPWARD LEAKAGE OF LIGHT AVOIDING IMPACT ON DARK SKY STATUS
- WILDLIFE CORRIDOR CREATED AROUND THE SITE PERIPHERY USING EXISTING HEDGES, TREES, SHRUBS AND GROUND COVER WITH BUFFER ZONE OF RETAINED VEGETATION >1m BETWEEN HARD SURFACES AND BOUNDARY
- A RANGE OF TREES, SHRUBS AND FLOWERS PROVIDE NECTAR/POLLEN AVAILABILITY THROUGHT THE ACTIVE PERIODS (EARLY SPRING TO LATE AUTUMN)
- PLANTING INCLUDES FRUITING NATIVE SHRUBS AND TREES FOR BIRDS, SMALL MAMMALS INCLUDING HAZEL DORMOUSE, REPTILES AND AMPHIBIANS
- PLANTING BASED ON LOCALLY SPECIES NATIVE TO SOUTH DOWNS NP AND SUITED TO THE NATURAL FREE DRAINING, SLIGHTLY ACIDIC SOIL CONDITIONS
- PERMEABLE GRAVEL USED FOR PARKING AND ACCESS,
- NEW FENCE POST AND RAIL FENCING REINFORCED WITH NATIVE HEDGING TO SOFTEN VISUAL IMPACT ON VIEWS FROM PERMISSIBLE PATH

IMPLEMENTATION PLAN

AIM: TO PROVIDE A LANDSCAPE THAT PROVIDES FOR PEOPLE AND WILDLIFE RESULTING IN A NET GAIN FOR BIODIVERSITY

STRATEGY

- GROUNDWORKS TO ESTABLISH DRAINAGE, NEW BUILDING FOUNDATIONS, SAND SCHOOL BASE, ACCESS, PARKING AND CONSTRUCT FENCING AND GATES
- ESTABLISH HARD SURFACES AND BOUNDARY TREATMENTS
- CONSTRUCT NEW STABLE BLOCK AND SAND SCHOOL
- NEW HEDGE PLANTED AUTUMN/WINTER (NOVEMBER-FEBRUARY) OR FEBRUARY TO APRIL) AFTER GROUNDWORKS ARE COMPLETED DURING SUITABLE CONDITIONS.
- RE-ESTABLISH DISTURBED GRASS AREAS SOWING SUITABLE GRASS SEED OR WILDFLOWER SEED MIX DURING FIRST AUTUMN OR SPRING (OCTOBER-NOVEMBER OR FEBRUARY TO APRIL) AFTER GROUNDWORKS ARE COMPLETED.
- OVERSEEDING OF EXISTING GRASS REQUIRES SHORT CROPPING AND SCARIFYING OF SWARD PRIOR TO SEEDING

FIELD DITCHES
DRAINING TO RIVER ROTHER 200m TO NORTH

RAILWAY WOOD

DARK CORRIDOR
HEDGE AND TREE LINE REMAINS UNLIT AVOIDING DISTURBANCE TO COMMUTING AND FORAGING BATS

RETAINED GRASS
HORSE PADDOCK GRASS RETAINED AND MANAGED THROUGH REDUCED STOCKING NUMBER REFLECTING LOSS OF SWARD AREA, ENSURING SUSTAINABLE GRAZING LEVELS AND ENCOURAGING ACID GRASSLAND WILDFLOWER AND GRASS SPECIES

DARK CORRIDOR
FIELD AND NORTH BOUNDARY UNLIT TO AVOID DISTURBANCE TO COMMUTING AND FORAGING BATS

SAND SCHOOL DRAINAGE PIPED TO EXISTING DITCH. REGULARLY MANAGED SILT CHAMBERS IN INSPECTION CHAMBERS AVOID LOSS OF PARTICULATES TO THE DITCH

WILDFLOWER RICH GRASS
HORSE PADDOCK GRASS RETAINED AND ENHANCED WITH NATIVE FLOWER MIX SUITED TO HEAVY CLAY AND WATERLOGGED SOILS MANAGED TO ENCOURAGE FURTHER COLONISATION BY LOCALLY PRESENT ACID GRASSLAND AND HEATHLAND SPECIES

NEW SAND SCHOOL AREA
60m x 30m

RETAINED NATIVE HEDGE WITH TREES
ALONG WEST BOUNDARY
HEDGE MANAGED TO 2m AND INFILLED WITH SUITABLE NATIVE SPECIES IF AND WHERE REQUIRED TO PROVIDE DENSE SCREEN BETWEEN FOOTPATH AND THE SITE.

PERMISSIBLE PATH G41
G CLASS HIGHWAY PASSING ALONG WEST BOUNDARY

DARK CORRIDOR
TREES AND HEDGES REMAIN UNLIT TO AVOID IMPACT ON COMMUTING BATS AND NESTING BIRDS

NEW PARKING AREA AND ACCESS
LEVELS RETAINED +/- 30cm TO AVOID DAMAGE TO ROOTS OF ADJACENT TREES.
NEW SURFACE OF LOOSE STONE CHIPPINGS

GRASS BUFFER ZONE
MINIMUM 1m WIDE BUFFER BETWEEN HEDGE AND HARD STANDING LEFT LONG FOR BIODIVERSITY AND CUT ANNUALLY TO CONTROL SCRUB ENCROACHMENT

EXISTING WOODLAND
OUTSIDE EAST BOUNDARY
EXACT POSITION OF TREES NOT ACCURATELY SHOWN

EAST BOUNDARY STOCK FENCE AND DRAINAGE DITCH
STOCK PROOF FENCE BOUNDARY. DITCH DRAINS NORTHEAST TOWARDS RIVER ROTHER

DARK CORRIDOR
WOODLAND EDGE UNLIT

MANURE MANAGEMENT
ALL STABLE WASTE REMOVED FROM SITE. TEMPORARY STORAGE AWAY FROM GRASSLAND AND A MINIMUM OF 10m AWAY FROM OPEN WATER COURSES

NEW STABLE BLOCK
WOODEN STABLE BLOCK TO ARCHITECT'S SPECIFICATION WITH LOW IMPACT LED LIGHTING.

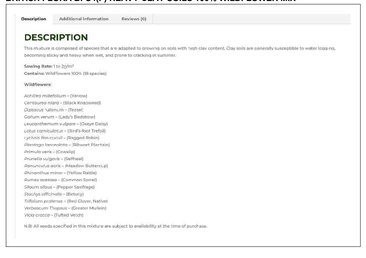
- 11no LED DOWNLIGHTERS UNDER STABLE CANOPY
- 6no LED WARM WHITE FLOODLIGHTS WITHIN COURTYARD COWLED DOWNWARDS TO AVOID UPWARD OR HORIZONTAL LIGHT LEAKAGE
- 3no PIR CONTROLLED WARM WHITE, DOWNWARD COWLED LED FLOODLIGHTS FOR ENTRANCE AND COMPOUND AREAS

STABLES STORM WATER DRAINAGE
DRAINED TO EXISTING DITCH. REGULARLY MANAGED SILT CHAMBERS IN INSPECTION CHAMBERS AVOID LOSS OF PARTICULATES TO THE DITCH

NEW MIXED NATIVE HEDGE
BOUNDARY POST AND RAIL FENCE REINFORCED AND SCREENED BY NEW MIXED NATIVE HEDGE USING LOCALLY NATIVE AND DISTINCTIVE SPECIES INCLUDING HAZEL, HOLLY, HAWTHORN AND DOG ROSE

GATED ENTRANCE
DOUBLE FIELD GATE AT EXISTING FIELD ENTRANCE. BOUND TARMACADAM SURFACE IN GATEWAY TO MINIMISE GRAVEL MIGRATION FROM SITE

BRITISH FLORA BFS4(F) HEAVY CLAY SOILS 100% WILDFLOWER MIX


Description | Additional Information | Reviews (0)

DESCRIPTION

This mixture is composed of species that are adapted to growing on soils with 'rich clay content. Clay soils are generally susceptible to water logging, becoming sticky and heavy when wet, and prone to cracking in summer.

Sowing Rate: 1 to 2g/m²
Centaurea Wildflowers 100% (38 species)

Wildflowers:

Achillea millefolium – (Yarrow)
Centaurea nigra – (Black Knapweed)
Dipsacus fullonum – (Teasel)
Galium verum – (Lady's Bedstraw)
Leucanthemum vulgare – (Oxeye Daisy)
Lotus corniculatus – (Bird's-foot Trefoil)
Lychnis flos-cuculi – (Ragged Robin)
Plantago lanceolata – (Ribwort Plantain)
Primula veris – (Cowslip)
Prunella vulgaris – (Selfheal)
Ranunculus acris – (Meadow Buttercup)
Rhinanthus minor – (Yellow Rattle)
Rumex acetosa – (Common Sorrel)
Silaum silaus – (Pepper Saxifrage)
Stachys officinalis – (Betony)
Trifolium pratense – (Red Clover, Native)
Verbascum thapsus – (Great Mullein)
Vicia cracca – (Tufted Vetch)

N.B. All seeds specified in this mixture are subject to availability at the time of purchase.

Planting Schedule & Abbreviations

Shrub

Abb	Name	Age	Height	Form	Girth	Ctr/Stm	Root	Cntr	Ctrs	Qty
Cryls av	Corylus avellana		40-60cm				B		0.250	9
Il aq	Ilex aquifolium		30-40cm				C	2L	0.250	3
Lge vl	Ligustrum vulgare		40-60cm				B		0.250	3
Rs on	Rosa canina		40-60cm				B		0.250	3
										18

Tree

Abb	Name	Age	Height	Form	Girth	Ctr/Stm	Root	Cntr	Ctrs	Qty
Crtg mn	Crataegus monogyna		30-40cm	Seedling			B		0.250	43
										43
										61

Notes:

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KEY

- EXISTING TREE RETAINED
- NEW STABLE BLOCK
- EXISTING WOODLAND
- EXISTING HEDGE
- NEW HEDGE
- EXISTING DRAINAGE DITCH
- NEW SAND SCHOOL
- PERMEABLE STONE CHIPPINGS SURFACE
- RETAINED GRASS
- RETAINED GRASS ENHANCED WITH NATIVE WILDFLOWERS
- STORM WATER DRAINAGE PIPE
- POST AND RAIL FENCING
- STOCK FENCING
- PERMISSIBLE PATH (G CLASS HIGHWAY)
- LED WARM WHITE FLOODLIGHT DIRECTED DOWN
- LED WARM WHITE FLOODLIGHT DIRECTED DOWN PIR ACTIVATED
- LED DOWNLIGHT MOUNTED ON UNDERSIDE OF STABLE CANOPY
- UNLIT DARK CORRIDOR

REV:	DESCRIPTION:	BY:	DATE:

STATUS: PLANNING ISSUE

BROWN FISHER ENVIRONMENTAL
REPORTS 4 PLANNING

CLIENT: Mr G Payne

LANDSCAPE ARCHITECT: Danielle Jeynes MA AMLI

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TITLE: Landscape Enhancement and Management Scheme

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