

LANDSCAPE ELEMENTS

PROPOSED TREES

Trees



Acer Campestre
Field Maple



Alnus glutinosa
Common Alder



Amelanchier lamarkii
Snowy Mespilus



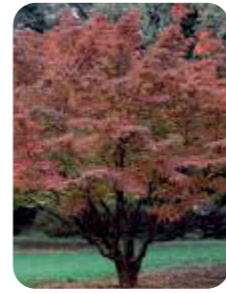
Betula ermanii
Gold Birch



Betula nigra
River Birch



Crataegus prunifolia
Broad Leaved
Cockspur Thorn



Cornus Kousa
Chinese Dogwood



Liquidamber styraciflua
Sweet Gum



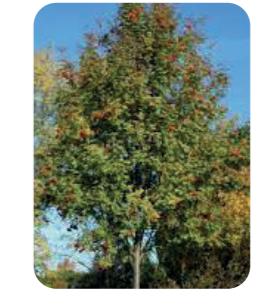
Prunus avium
Wild Cherry



Prunus serrula
Tibetan Cherry



Salix alba
White Willow



Sorbus aucuparia
Rowan

Conifers



Pinus sylvestris
Scots Pine

Fruiting Trees



Corylus avellane
Hazel



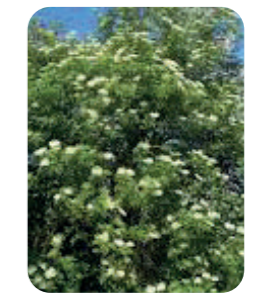
Crataegus monogyna
Hawthorn



Malus sylvestris
Crab Apple



Prunus avium
Sweet Cherry




















Sambucus nigra
Elder

LANDSCAPE ELEMENTS

PROPOSED TREES

Trees Palette- Outline Specification (Typical)

REFERENCE COLOUR	NAME	FORM	AGE/ CONDITION	GIRTH (cm)	HEIGHT (cm)	CLEAR STEM(cm)	ROOT PROTECTION	CONTAINER SIZE (L)	Planning No. specified
	<i>Acer campestre</i>	Standard (Standard)	-	16-18	400-450	min 200	C	75	7
	<i>Alnus glutinosa</i>	Standard (Extra Heavy)	-	16-18	425-600	min 200	C	75	4
	<i>Amelanchier lamarkei</i>	Multi-Stem	2x		200-250 / 350-400		C	50	16
	<i>Betula ermanii</i>	Standard (Heavy)	-	12-14	350-425	min 200	C	75	19
	<i>Betula nigra</i>	Standard (Extra Heavy)	-	14-16	400-450	min 200	C	75	4
	<i>Cornus Kousa</i>	Multi-Stem	2x		200-250		C	50	6
	<i>Corylus Avellana</i>	Multi-Stem	2x		200-250		C	50	5
	<i>Crataegus monogyna</i>	Standard (Heavy)	-	12-14	350-425	min 200	C	75	5
	<i>Crataegus prunifolia</i>	Standard (Heavy)	-	12-14	350-425	min 200	C	75	4
	<i>Liquidamber styraciflua</i>	Standard (Semi Mature)	-	20-25	min 450	min 200	C	200	5
	<i>Malus sylvestris</i>	Standard	-	10-12	200-250	min 200	C	50	10
	<i>Prunus avium</i>	Standard (Extra Heavy)	-	14-16	350-425	min 200	C	75	4
	<i>Prunus serrula</i>	Standard (Extra Heavy)	-	14-16	350-425	min 200	C	75	4
	<i>Pinus sylvestris</i>	Multi-Stem	3x		400-500		C	200	35
	<i>Salix alba</i>	Standard (Standard)	-	14-16	400-450	min 200	C	75	5
	<i>Sambucus nigra</i>	Multi-Stem	2x		200-250		C	50	2
	<i>Sorbus aucuparia</i>	Multi-Stem	3x		300	min 200	C		6
Totals									141

LANDSCAPE ELEMENTS

PROPOSED TREES



River Wey Navigation

LANDSCAPE ELEMENTS

PROPOSED PLANTING

The planting design aims to create an attractive outlook from, and buffer to, the buildings

A seasonally changing palette of plants giving an opportunity for people to connect with nature and unwind in the communal spaces

-  Woodland Buffer Planting
-  Woodland Understorey Planting
-  Biodiverse matrix planting to attenuation basins
-  Species Rich Grassland
-  Threshold Planting
-  Riparian River Corridor Planting
-  Species Rich Native Hedgerows



LANDSCAPE ELEMENTS

WOODLAND UNDERSTOREY PLANTING

Woodland understorey species are to be planted underneath existing trees, under newly planted trees and under proposed woodland blocks of varying species, form and maturity to create a naturalistic, multi-layered woodland canopy effect.

Lush woodland ground cover planting such as hellebores and ferns, provides a low maintenance palette which can tolerate a likely 'dry/partial shade' site condition, whilst remaining visually lush and interesting to the senses.

Principally species will be native but with some ornamental flowering species interspersed into the beds which will create a variety of seasonal displays in colour and texture.

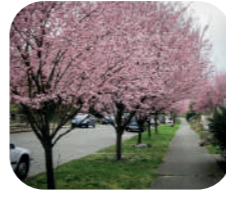
Trees



Crataegus monogyna
Common Hawthorn



Malus sylvestris
Common Crab Apple



Prunus cerasifera
Cherry Plum



Pyrus communis
Common Pear

Shrubs



Corylus avellana
Common Hazel



Ilex aquifolium
Common Holly



Ligustrum vulgare
Common Privet



Prunus spinosa
Blackthorn



Rosa canina
Dog Rose



Sambucus nigra
Common Elder

Herbaceous



Ajuga reptans
Bugle



Betonica officinalis
'Hummelo'
Bishop's Wort
'Hummelo'



Campanula glomerata alba
White Clustered Bellflower



Epimedium x rubrum
Red Barrenwort



Geranium endressii
French Cranesbill



Geranium macrorrhizum
Balkan Cranesbill



Geranium macrorrhizum
'Album'
Balkan Cranesbill
'Album'



Geranium pratense
'Silver Queen'
Meadow Cranesbill
'Silver Queen'



Iris foetidissima
Stinking Gladwyn

Ferns & Grasses



Adiantum aleuticum
Aleutian Maidenhair Fern
'Prostratuis'



Asplenium scolopendrium
Hart's Tongue Fern



Onoclea sensibilis
Sensitive Fern



Carex remota
Remote Sedge



Dryopteris filix mas
Common Fern



Luzula sylvatica
Greater Woodrush



Polystichum aculeatum
Hard Shield Fern

Wildflowers



Achillea millefolium
Yarrow



Betonica officinalis
Betony



Campanula glomerata
Clustered Bellflower



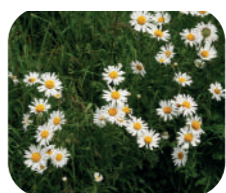
Centaurea nigra
Common Knapweed



Daucus carota
Wild Carrot



Geranium pratense
Meadow Cranesbill



Leucanthemum vulgare
Ox-eye Daisy



Salvia pratensis
Meadow Clary



Silene dioica
Red Campion

LANDSCAPE ELEMENTS

WOODLAND ORNAMENTAL PLANTING - INTERNAL CAR PARKS / APPROACH ROUTES

Woodland ornamental species to be planted underneath existing trees of varying species, form and maturity and within parking areas to create a naturalistic multi-layered woodland canopy effect.

Lush woodland ground cover planting such as hellebores and ferns, provides a low maintenance palette which can tolerate a likely 'dry/partial shade' site condition, whilst remaining visually lush and interesting to the senses. Arising, ornamental flowering species interspersed into the beds will create a variety of seasonal displays in colour and texture.



Anemone x hybrida
'Honorine Jobert'



Tellima grandiflora



Dryopteris filix mas



Geranium phaeum
'Raven'



Carex remota



Bupleurum longifolium
'Bronze Beauty'



Aster divaricatus



Stachys officinalis
'Hummelo'



Luzula sylvatica



Sarcococca hookeriana
var. humilis



Hyacinthoides non-scripta



Polystichum aculeatum



Persicaria amplexicaulis
'Rosea'



Asplenium scolopendrium



Euphorbia robbiae



Vinca minor f. alba
'Gertrude Jekyll'

THRESHOLD PLANTING - ENTRANCES

The threshold planting beds (adjacent to the building facades and windows) aim to create an attractive outlook from and buffer to the building's interior spaces. Low growing plants make up the majority of this planting palette to maintain neat and compact arrangements to enable cleaning and maintenance access to the buildings as well as to not block the light into or sight lines out of the windows.

Recurrence of some versatile dry shade and/or evergreen plant species from the woodland understorey palette unifies the site's overall planting theme, whilst additional ornamental and flowering species offer enhanced seasonal interest to these important threshold beds.

Shrubs



Berberis buxifolia
'Nana'
Dwarf Barberry
'Nana'



Convolvulus
cneorum
Silverbush



Hebe 'Margret'
Shrubby Veronica
'Margret'



Hebe odora
Boxwood Hebe



Lonicera pileata
Privet Honeysuckle



Perovskia 'Blue
Spire'
Russian Sage 'Blue
Spire'



Potentilla fruticosa
'Abbotswood'
Shrubby Cinquefoil
'Abbotswood'



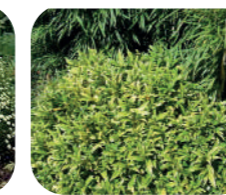
Rosmarinus
officinalis
Rosemary
'Prostratus'



Salix hastata
'Wehrhahnii'
Halberd Willow
'Wehrhahnii'



Santolina pinnata
neapolitana
Cotton Lavender
neapolitana



Sarcococca humilis
Dwarf Sweet Box



Skimmia x confusa
'Kew Green'
Skimmia 'Kew Green'



Viburnum davidii
David Viburnum

Herbaceous



Achillea 'Credo'
Yarrow 'Credo'



Alchemilla mollis
Lady's Mantle



Artemisia 'Powis
Castle'
Mugwort 'Powis
Castle'



Aster x frikartii
'Mönch'
Michaelmas Daisy
'Mönch'



Ballota
pseudodictamnus
False Dittany
'Veitch's Blue'



Centranthus ruber
'Albus'
White Valerian



Echinacea purpurea
Purple Coneflower



Echinops ritro
Small Globe Thistle



Echium vulgare
'Blue Bedder'
Viper's Bugloss 'Blue
Bedder'



Epimedium
x versicolor
'Sulphureum'



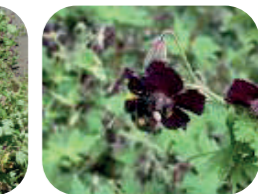
Erigeron karvinskianus
'Profusion'
Midsummer Daisy
'Profusion'



Eryngium yuccifolium
Button Eryngo



Geranium
macrorrhizum
'White-Ness'
Balkan Cranesbill



Geranium phaeum
Dusky Cranesbill



Helianthus 'Lemon
Queen'
Perennial Sunflower
'Lemon Queen'



Helleborus niger
Christmas Rose



Iris unguicularis
Algerian Iris



Myrtus communis
tarentina
Tarentum Myrtle



Origanum
laevigatum
'Herrenhausen'
Oregano
'Herrenhausen'



Phlomis russeliana
Turkish Sage



Rudbeckia fulgida
sullivantii 'Goldsturm'
Black-eyed Susan
'Goldsturm'

LANDSCAPE ELEMENTS

THRESHOLD PLANTING - ENTRANCES

Herbaceous



Salvia x sylvestris
'Mainacht'
Sage 'Mainacht'



Sanguisorba officinalis
'Red Thunder'
Great Burnet 'Red
Thunder'



Teucrium x lucidrys
Hedge Germander



Verbascum chaixii
Nettle-leaved Mullein



Verbena hastata
rosea
Pink Vervain

Grasses



Calamagrostis x
acutiflora 'Karl
Foerster'
Feather Reed Grass
'Karl Foerster'



Deschampsia
cespitosa
Tufted Hair Grass



Libertia formosa
Chilean Iris



Libertia peregrinans
Wandering Chilean
Iris 'Mönch'



Liriope muscari
Big Blue Lilyturf
'Veitch's Blue'



Luzula nivea
Snowy Wood-rush



Sesleria autumnalis
Autumn Moor Grass

Bulbs



Allium 'Purple
Sensation'
Ornamental Onion
'Purple Sensation'



Galanthus nivalis
Common Snowdrop



Leucojum aestivum
Summer Snowflake



Narcissus
pseudonarcissus
Wild Daffodil



Ornithogalum
umbellatum
Star-of-Bethlehem



Tulipa sylvestris
Wild Tulip

Wildflowers



Achillea millefolium
Yarrow



Centaurea cyanus
Cornflower



Daucus carota
Wild Carrot



Glebioris segetum
Corn Marigold



Leucanthemum
vulgare
Ox-eye Daisy



Phacelia
tanacetifolia
Lacy Phacelia



Silene vulgaris
Bladder Campion

Conifers / Evergreen



Buxus sempervirens
Box



Ilex aquifolium
Holly



Juniperus communis
Common Juniper



Juniperus sabina
'Tamariscifolia'
Spanish Juniper



Ligustrum vulgare
Wild Privet

ATTENUATION BASIN PLANTING

Attenuation basins have been located to the north and east of the southern site with the aim of creating a biodiverse frontage that accommodates flood attenuation overflow when needed. These attenuation basins will be planted with a matrix of planting, including low growing shrubs and perennials that will withstand both drought and occasional flooding.

Trees will be planted within the 1:3 slopes to the attenuation basins providing height and structure to the frontages.

Matrix A



Anemone hupensis
'September Charm'
Japanese Anemone
'September Charm'



Anemone x hybrida
'Honorine Jobert'
Japanese Anemone
'Honorine Jobert'



Aster divaricatus
White Wood Aster



Campanula
trachelium 'Bernice'
Bellflower 'Bernice'



Euphorbia
amygdaloides
robbiae Mrs Robb's
Bonnet



Fatsia japonica
Japanese Aralia



Geranium
macrorrhizum
Balkan Cranesbill



Geranium
nodosum
Knotted Cranesbill



Helleborus niger
'Potters White'
Christmas Roase
'Pptters White'



Heuchera
'Citronella'
'Citronells' coral bells



Liriope muscari
Big Blue Lilyturf



Luzula nivea
Snowy Wood-rush



Luzula sylvatica
Great Wood-rush



Pachysandra
terminalis
Jpanese Spurge
'Green Carpet'



Stipa arundinacea
Pheasant's Tail Grass

Matrix B



Achillea filipendulina
'Cloth of Gold'
Fern-Leaf Yarrow



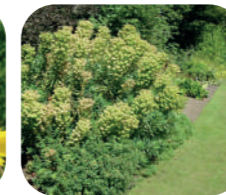
Aster amelius 'King
George' Italian Aster
'King George'



Calamagrostis x
acutiflora 'Karl
Foerster' Feather
Reed Grass



Coreopsis lanceolata
'Sterntaler'
Tickseed 'Sterntaler'



Euphorbia
polychroma
Cushion Spurge



Geranium
sanguineum
'Album' White
Blood Cranesbill



Heuchera villosa
Hairy Alumroot



Lobelia 'Queen
Victoria'
Cardinal Flower
'Queen Victoria'



Miscanthus sinensis
Eulalia



Primula veris
oxlip



Salvia nemorosa
'Caradonna' Balkan
Calry 'Caradonna'



Salvia nemorosa
'Scheehugel'
Salvia 'Snow Hill'

ATTENUATION BASIN PLANTING

Matrix C



Alchemilla mollis
'Robusta'
Landy's Mantle



Armeria maritima
'Alba' Sea Thrift



Dianthus
carthusianorum
German Pink



Echinops ritro
Globe Thistle



Erigeron glaucus
'alba'
Fleabane



Euphorbia
polychroma
Cushion Spurge



Gaura lindheimeri
'Sparkle White'
White Gaura



Hyssopus officinalis
Hyssop



Knautia
macedonica 'Mars
Midget' Macedon.
Scabious



Origanum
laevigatum
'Herrenhausen'
Oregano



Penstemon barbatus
'Coccineus'
Penstemon



Pulsatilla vulgaris
April Fools



Salvia nemorosa
'Caradonna'
Salvia



Silene maritima
Seaside Catchfly



Stipa gigantea
Giant Feather Grass



Thymus polytrichus
Mother of Thyme



Verbascum
phoeniceum
'Violetta'
Purple Mullein

LANDSCAPE ELEMENTS

SPECIES RICH HEDGEROW PLANTING

Native species to be planted around internal roads underneath existing trees of varying species, form and maturity and within parking areas to create a species rich hedgerow

Evergreen native species such as Ilex Aquifolium (Holly) provide all year round structure complemented by deciduous native species such as Acer Campsetre (Field Maple), Corylus Avellana (Hazel) and Prunus Spinosa (Blackthorn) provides a low maintenance palette which can tolerate a likely 'dry/partial shade' site conditions, whilst remaining visually lush and interesting all year round.



Acer campestre



Cornus sanguinea



Corylus avellana



Crataegus monogyna



Euonymus europaeus



Ilex aquifolium



Prunus spinosa



Rosa canina



Sambucus nigra



Tilia cordata



Viburnum lantana



Viburnum opulus

LANDSCAPE ELEMENTS

GRASS PLANTING - DRY SHADE / WET WOODLAND

Species rich grassland to be planted under hedgerows and woodland (Emorsgate EM09) or equivalent underneath existing trees of varying species, form and maturity

Native woodland species tolerant of likely 'dry/partial shade' site conditions provides a low maintenance palette for planting under hedgerows and woodland shelter belts, adding diversity to the site.



Agrostis capillaris



Anthoxanthum odoratum



Brachypodium sylvaticum



Cynosurus cristatus



Deschampsia cespitosa



Festuca rubra



Poa nemoralis

LANDSCAPE ELEMENTS

RIPARIAN PLANTING TO RIVER WEY CORRIDOR

Native species to be planted along the edges of the River Wey and underneath existing trees of varying species, form and maturity to create an ecologically diverse riparian corridor.

Grasses



Agrostis capillaris
Common bent



Anthoxanthum odoratum
Sweet vernal-grass



Briza media
Quaking grass



Cynosurus cristatus
Crested dogstail



Deschampsia cespitosa
Tufted hair-grass



Festuca rubra
Red fescue



Schedonorus pratensis
Meadow fescue



Achillea millefolium
Yarrow



Agrimonia eupatoria
Agrimony



Angelica sylvestris
Wild angelica



Centaurea nigra
Common knapweed



Chaerophyllum temulum
Rough chervil



Cruciata laevipes
Crosswort



Dipsacus fullonum
Wild teasel

Perennials



Filipendula ulmaria
Meadowsweet



Galium album
Hedge bedstraw



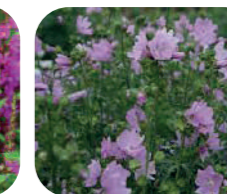
Galium verum
Lady's bedstraw



Leucanthemum vulgare
Oxeye daisy



Lythrum salicaria
Purple loosestrife



Malva moschata
Musk mallow



Plantago lanceolata
Ribwort plantain



Rumex acetosa
Common sorrel



Silaum silaus
Pepper saxifrage