



KEY

- Historic Remnant Beechwood
- Indicative Locations of Existing Trees to be Retained
- Specimen Trees
- New Broadleaved Woodland
- Car Park Screening Mix
- Wetland Area for Attenuation
- Car Park Spaces in Grass-crete or Equivalent
- Historic Stone Walls to be Retained & Restored
- Woodland Meadow with Scrub
- Boundary Screening Mix
- Tarmac to Selected Finish
- Trails in Rolled Dust
- Grass/Equestrian Bridleway
- 1.8m High Paladin Security Fence to Adjacent Premises - Powder coated green



HISTORIC REMNANT BEECHWOOD
 DESCRIPTION: GROUPS, CLUSTERS, ROWS AND INDIVIDUAL BEECH TREES 50-80 YEARS OLD, REFLECTING FOOTPRINT OF HISTORIC WOODS IN THE AREA. CHARACTERFUL TREES, NOW RECOVERING FROM SUPPRESSION BY CONIFERS.
 OBJECTIVE: TO STRENGTHEN AND ENHANCE THE REMAINING STANDS OF AND INDIVIDUAL BEECH (FAGUS SYLVATICA) AS REMNANTS OF EARLIER BEECHWOODS THAT PREDATED THE AFFORESTATION OF THE HILL AND PROVIDE INTEREST AND VARIATION TO THE NEW PERMANENT BROADLEAVED WOODLAND LANDSCAPE.
 ACTION: CLEAR BRASH AND WOODLAND LITTER THAT CREATES UNSAFE WALKING SPACE. PRUNE AND CLEAN EXISTING MATURE TREES AS NECESSARY TO BALANCE FORM AND SHAPE. RETAIN DEAD TREE TRUNKS UPRIGHT OR FALLEN AS FEATURES AND HABITAT OPPORTUNITIES AS APPROPRIATE. GRIND FLUSH WITH SURFACE CONIFEROUS TREE TRUNKS RETAINING SOME EXAMPLES AS FEATURES.
 SUPPLY AND PLANT TYPE A MIX AND LAYOUT TO REFLECT NATURALISTIC INFORMAL PLANTING ARRANGEMENTS OF EDGE SPECIES, NURSE SPECIES AND CLIMAX SPECIES, WITH OPEN GLADES IN PLACES. MANAGE TO ESTABLISHMENT / MATURITY.

NEW BROADLEAVED WOODLAND TO CLEAR FELLED AREAS
 DESCRIPTION: AREA CLEAR FELLED IN 2016. SITE CONTAINS LOTS OF BRASH, TREE STUMPS AND REMNANTS OF CLEAR FELLING OPERATIONS. SOME ADDITIONAL REMNANT BEECH TREES PRESENT.
 OBJECTIVE: TO CREATE / RESTORE NATIVE IRISH OAK WOOD AS A PERMANENT AMENITY WOODLAND.
 ACTION: CLEAR BRASH AND WOODLAND LITTER FROM CLEAR-FELLING THAT CREATES UNSAFE WALKING SPACE. RETAIN DEAD TREE TRUNKS UPRIGHT OR FALLEN AS FEATURES AND HABITAT OPPORTUNITIES AS APPROPRIATE. GRIND FLUSH WITH SURFACE CONIFEROUS TREE TRUNKS RETAINING SOME EXAMPLES AS FEATURES.
 SUPPLY AND PLANT TYPE B MIX AND LAYOUT TO REFLECT NATURALISTIC INFORMAL PLANTING ARRANGEMENTS OF EDGE SPECIES, NURSE SPECIES AND CLIMAX SPECIES, WITH OPEN GLADES IN PLACES. MANAGE TO ESTABLISHMENT / MATURITY.

INTRODUCTIONS TO AREAS OF REGENERATING / YOUNG TREES
 DESCRIPTION: REPLANTED AROUND 10 YEARS AGO WITH SITKA SPRUCE, LARCH, BIRCH AND DOUGLAS FIR. CONTAINS EXISTING INFORMAL PATH. TREES UP TO 5M HIGH WITH DENSE UNDERGROWTH OF GORSE AND SCRUB. DYNAMIC LUSH CHARACTER.
 OBJECTIVE: TO GUIDE AND DIRECT THE REGENERATING AND / OR YOUNG TREES TO A PREDOMINANTLY NATIVE IRISH OAK WOOD WITH SOME CONIFERS AS A PERMANENT AMENITY WOODLAND.
 ACTION: CLEAR GORSE AND SCRUB VEGETATION TO CREATE OPEN SPACE GLADES TO ACCOMMODATE NEW PLANTING AND ALLOW SELECTIVE ACCESS THROUGH AND AROUND TREES, WHILST MAINTAINING A DIVERSE HABITAT. SELECTIVELY REMOVE CONIFERS AND / OR OTHER UNDESIRABLE SPECIES AND REPLANT. SEEK TO REMOVE AND REPLANT 10-15% OF THE AREA / ANNUM OVER A 10 YEAR PERIOD, RETAINING CONTINUOUS TREE COVER, AND REVIEW.
 NEW PLANTING TO BE TYPE C MIX AND LAYOUT TO REFLECT NATURALISTIC INFORMAL PLANTING ARRANGEMENTS OF EDGE SPECIES, NURSE SPECIES AND CLIMAX SPECIES, WITH OPEN GLADES IN PLACES. MANAGE TO ESTABLISHMENT / MATURITY. MANAGE HIGHER AREAS TO MAINTAIN PANORAMA VIEWS FROM NEW VISITOR CENTRE.

CONIFEROUS AREAS TO BE CONVERTED TO MIXED BROADLEAVED WOODLAND OVER TIME
 DESCRIPTION: AREA ABOVE EXISTING CAR-PARK - WILL ALSO ACCOMMODATE EXTENDED CAR-PARK. PREDOMINANTLY DOUGLAS FIR WITH SCATTERED BEECH AND OAK TREES. FIR AT CRITICAL HEIGHT AND SUFFERING SHAPING AND WIND THROW. VERY IMPORTANT MATURE PLANTING FOR INTEGRATING THE EXTENDED CAR-PARK AND VISITOR CENTRE.
 OBJECTIVE: TO GUIDE AND DIRECT THE CONVERSION OF THE EXISTING FOREST TREES TO A PREDOMINANTLY NATIVE IRISH OAK WOOD WITH SOME CONIFERS AS A PERMANENT AMENITY WOODLAND.
 ACTION: SELECTIVELY REMOVE CONIFERS AND / OR OTHER UNDESIRABLE SPECIES AND REPLANT. SEEK TO REMOVE AND REPLANT 10-15% OF THE AREA / ANNUM OVER A 10 YEAR PERIOD, RETAINING CONTINUOUS TREE COVER, AND REVIEW.
 NEW PLANTING TO BE TYPE D MIX AND LAYOUT TO REFLECT NATURALISTIC INFORMAL PLANTING ARRANGEMENTS OF EDGE SPECIES, NURSE SPECIES AND CLIMAX SPECIES, WITH OPEN GLADES IN PLACES. MANAGE TO ESTABLISHMENT / MATURITY.

CAR-PARK LANDSCAPE
 DESCRIPTION: NEW LANDSCAPE AREA AROUND AND BETWEEN CAR-PARK TERRACES.
 OBJECTIVES: TO INTEGRATE CAR-PARK INTO WOODLAND LANDSCAPE CONTEXT AND SCREEN CAR-PARKING AREAS FROM EACH OTHER, FROM THE WIDER SITE AND CONTRIBUTE TO SCREENING FROM THE WIDER LANDSCAPE.
 ACTION: WHERE FEASIBLE EXISTING MATURE TREES WHICH ARE LOCATED BETWEEN PARKING TERRACES AND IN PROPOSED PLANTING AREAS WILL BE RETAINED. CHARACTER AND MATERIALS - NEW PLANTING - TO REFLECT SURROUNDING WOODLAND SPECIES MIXES BUT USED IN A MORE DEFINITIVE AND CONTROLLED WAY AND WHERE APPROPRIATE AT HIGHER DENSITIES. PLANTING CONSISTS OF A MATRIX OF NATIVE SHRUB SPECIES TO ACHIEVE GROUND LEVEL SCREENING WITH TREES PLANTED THROUGHOUT TO CREATE WOODLAND CHARACTER.
 SEE CAR-PARK MIX IN SCHEDULE TO BE PLANTED IN NATURALISTIC PATTERNS WHILST CONSIDERING OPTIMUM SCREENING AND ENCLOSURE.

WOODLAND MEADOW AND SCRUB
 DESCRIPTION: PARTS OF THE EXISTING CLEAR-FELLED AREAS AND / OR YOUNG PLANTED OR REGENERATING AREAS, CHARACTERISED BY EXTENSIVE DIVERSE AND COLOURFUL GROUND FLORA. YOUNG / SMALL TREES AND SHRUBS AND AN OPEN BRIGHT CHARACTER IN PLACES AND ENCLOSED AREAS ELSEWHERE. FROM HIGHER GROUND THIS LANDSCAPE TYPE ALLOWS PANORAMIC VIEWS TO THE WIDER LANDSCAPE.
 OBJECTIVE: TO MANAGE AND MAINTAIN THESE AREAS AS DIVERSE SCRUB AND WOODLAND MEADOW LANDSCAPES WITH A MOSAIC OF OPEN SPACE AND YOUNG TREES OFFERING VIEWS AND OPEN SPACE TO SIT, PICNIC AND ENJOY AS CONTRAST TO THE WOODLAND LANDSCAPES. AS WELL AS PROVIDING FUN PLACES FOR CHILDREN TO PLAY THIS LANDSCAPE ALSO PROVIDES A SIGNIFICANT EDUCATIONAL OPPORTUNITY AS TREES AND SHRUBS ARE AT A SCALE THAT IS ACCESSIBLE TO CHILDREN AND OTHERS.
 ACTION: THROUGH SELECTIVE COPPING, CUTTING BACK AND STRIMMING (MEADOW AREAS) MAINTAIN THE DIVERSE AND DYNAMIC CHARACTER OF THESE AREAS AND THEIR DISTINCTIVE HABITATS AND AMENITY FUNCTIONS - INFORMAL PLAY SPACE, SUNNY GLADES, SITTING, AND FRAMING VIEWS TO AND FROM THE WIDER LANDSCAPE. THIS MEANS ARRESTING THE DEVELOPMENT AND MATURING OF THESE AREAS TO CLIMAX WOODLAND AND PROVIDING VARIETY TO THE LANDSCAPES OF THE HILL FIRE WOODS.
 IN GENERAL THESE AREAS SHOULD BE ENCOURAGED TO NATURALLY REGENERATE. THERE IS A SEED BANK IN THE SOILS THAT WITH THE REMOVAL OF CONIFERS REACHING THE SOIL EXPOSES INTO LIFE WITH COLOURFUL HERBACEOUS WOODLAND VEGETATION AND YOUNG NATIVE TREES AND SHRUBS. THIS PROCESS NEEDS TO BE MANAGED AND DIRECTED TO OPTIMUM EFFECT. NEW PLANTING, IF REQUIRED, TO BE NATIVE SPECIES AND USED SPARINGLY AS INDIGENOUS SEEDS AND SPECIES WILL EMERGE BY THEMSELVES. GORSE WHERE PRESENT TO BE REMOVED WHERE IT POSSES A FIRE HAZARD TO THE WIDER WOODLAND. POTENTIAL ARCHAEOLOGICAL SUB-SURFACE FEATURES TO BE PLOTTED AND REFERENCED THROUGH SPATIAL ARRANGEMENTS TO EXPRESS THE UNDERLYING HISTORY AND ARCHAEOLOGY OF THE AREA IN SENSITIVE MANNER.

SCREEN MIX
 DESCRIPTION: BOUNDARIES WITH ADJACENT RESIDENTIAL AREAS.
 OBJECTIVES: TO PROVIDE DENSE BOUNDARY PLANTING TO SCREEN VIEWS INTO THE SITE FROM RESIDENCES ABUTTING SITE AND TO ENHANCE PRIVACY OF THESE HOUSES WHERE OVERLOOKING MIGHT OCCUR.
 ACTION: IN ASSOCIATION WITH THE LARGE SCALE WOODLAND PLANTING PROPOSED A BAND OF DENSE NATIVE SHRUBS, UP TO 5M WIDE, WITH A HIGH EVERGREEN CONTENT WILL BE PLANTED ALONG THESE BOUNDARIES AND WHERE APPROPRIATE A SECURE FENCE TO 1.8M HIGH WILL BE INCORPORATED. SEE SCREEN MIX IN SCHEDULE TO BE PLANTED IN NATURALISTIC PATTERNS WHILST CONSIDERING OPTIMUM SCREENING AND ENCLOSURE.

SPECIMEN TREES
 DESCRIPTION: INDIVIDUAL, GROUPS OR ROWS OF TREES AS FEATURES IN MEADOW / GRASSED AREAS OR WITHIN SHRUB MIXES.
 OBJECTIVES: TO ADD TREE FORM AND AMENITY, AND FOCAL POINTS TO SPACES OUTSIDE OF WOODLAND AREAS.
 ACTION: STANDARD / HEAVY STANDARD TREES PLANTED WHERE INDICATIVELY SHOWN ON PLAN. SPECIES MIX TO INCLUDE TREES FROM WOODLAND PLANTING MIXES AS WELL AS NATURALISED FAMILIAR SPECIMENS SUCH AS SYCAMORE, HORSE CHESTNUT AND BEECH.

Plant Schedules

Proposed Woodland Planting Species	Planting Distance / Size	% of area	Type A - Beechwood Mix	Type B - New Broadleaved Woodland to clear felled areas	Type C - Introductions to existing areas of regenerating / young trees	Type D - Coniferous areas to be converted to mixed broadleaved woodland over time
Edge Mix - Scrub / Bushes / Low Trees						
Corylus avellana	Hazel 60-90cm, br	15%	20%	20%	20%	20%
Crataegus monogyna	Hawthorn 60-90cm, br		40%	40%	40%	40%
Ilex aquifolium	Holly 30-45, c.g		25%	25%	25%	25%
Prunus spinosa	Blackthorn 60-90cm, br		7%	7%	7%	7%
Salix caprea	Goat Willow 60-90cm, br		4%	4%	4%	4%
Sambucus nigra	Elder 60-90cm, br		2%	2%	2%	2%
Viburnum opulus	Guellder Rose 60-90cm, br		2%	2%	2%	2%
Trees						
Nurse Species						
Alnus glutinosa	Alder 90-120cm		10%	7%	10%	10%
Betula pendula/pubescens	Birch 90-120cm		10%	10%	10%	10%
Pinus sylvestris	Scots Pine 30-45cm, br		10%	10%	10%	10%
Sorbus aucuparia	Mt Ash 90-120cm		10%	10%	10%	10%
Climax Species						
Fagus sylvatica	Beech 60-90cm		50%	5%		
Quercus petraea	Oak 60-90cm		10%	50%		60%
Prunus avium	Bird Cherry 60-90cm		5%			
Ulmus glabra	Wych Elm 60-90cm		5%	3%		
Open space / Glades	To bespoke design	15%				

Car-park Mix

Shrub / hedgerow mix	2/sq.m	
Acer pseudoplatanus	60-90cm, br	20%
Corylus avellana	60-90cm, br	40%
Crataegus monogyna	30-45, c.g	25%
Ilex aquifolium	30-45, c.g	7%
Prunus spinosa	60-90cm, br	4%
Salix caprea	60-90cm, br	2%
Sambucus nigra	60-90cm, br	2%
Viburnum opulus	60-90cm, br	2%
Trees		
3-5m centres within shrub matrix		
Nurse Species	Alder	20%
Betula pendula/pubescens	Birch	25%
Pinus sylvestris	Scots Pine	10%
Sorbus aucuparia	Mt Ash	20%
Climax Species		
Fagus sylvatica	Beech	10%
Quercus petraea	Oak	10%
Prunus avium	Bird Cherry	10%
Ulmus glabra	Wych Elm	5%

Specimen Trees

Indicative locations shown		
Acer pseudoplatanus	Sycamore	16-18cm girth, 4-6m, std, BR
Alexisul hippocastanum	Horse Chestnut	16-18cm girth, 4-6m, std, BR
Fagus sylvatica	Beech	16-18cm girth, 4-6m, std, BR
Quercus petraea	Oak	16-18cm girth, 4-6m, std, BR
Pinus sylvestris	Scots Pine	90-120cm ht, RB.

Screen Mix

Indicative locations shown		
Corylus avellana	Hazel	90-120cm, br.
Crataegus monogyna	Hawthorn	90-120cm, br.
Ilex aquifolium	Holly	60-90cm, c.g.
Ligustrum vulgare	Native Privet	90-120cm, br.
Viburnum opulus	Guellder Rose	90-120cm, br.

NOTES:
 DRAWINGS ISSUED FOR PLANNING PURPOSES ONLY. LANDSCAPE IS SUBJECT TO APPROVAL OF THE PLANNING AUTHORITY.

TO BE READ IN CONJUNCTION WITH DRAWING - '16508-2-100 LANDSCAPE STRATEGY'

CUNNAME STRATTON REYNOLDS
LAND PLANNING & DESIGN

DUBLIN OFFICE
 3 MOLESWORTH PLACE DUBLIN 2
 TEL 01 661 0419 FAX 01 661 0431
 EMAIL info@csrdplan.ie

PROJECT: **DUBLIN MOUNTAINS VISITOR CENTRE**

DATE: **JUNE 2017**

SCALE: **1:750 @ A0**

DRAWING: **VISITOR CENTRE AND ENVIRONS LANDSCAPE**

DRAWN: **DM**

CHECKED: **DOL**

DRAWING NO: **16508-2-101**