LEGEND:

HARDSCAPE LEGEND:

- x55.78 Existing levels
- +55.25 Proposed levels

Proposed:

Proposed Surface:

- **Tarmacadam asphalt to access/spine road** to engineer detail with upstand road kerb
- **Natural stone rumble strips** as part of traffic calming measures
- **Imprinted concrete/bitumen macadam surface** to raised table
- **Shared surface carriageway** finished in bound natural aggregate with coloured binder
- **Bitumen macadam surface** to shared pedestrian/cycle path
- **Compacted gravel amenity paths**
- **Concrete paving blocks,** laid in stretcher bond random pattern, to footpaths adjacent to buildings
- **Concrete paving blocks,** laid in herringbone pattern, to podium surface
- **Recycled plastic decking & balustrade paths and mini bridges**
- **Permeable Grasscrete finish to parking spaces**
- **Safety rubber surface to Play Areas**
- **Section of proposed path/road in the proximity and under the trees RPZ constructed using 'No dig' cellular confinement system.**

Proposed structures/walls:

- **Stone wall** at new pedestrian and vehicular entrance to match existing wall
- **Retaining wall to engineers detail**
- **Stone gabion retaining structure to slopes**
- **Undulating mounding**
- **Raised planters to deck**
- **Uncontrolled crossing points**

SOFTSCAPE LEGEND:

Existing:

- **Existing trees and vegetation to be retained and protected**
- **Existing wetland vegetation to be retained and protected** where feasible
- **Existing tree and vegetation to be removed** as part of development (Refer to Tree Survey dwg 6620-100)

Proposed Planting Schedule:

Street Trees - Columnar form with a narrow crown, cultivars of native species and/ or non invasive introduced species

Key	Species	Height	Girth	Stem	Type
Semi-Mature Trees					
Uc	*Ulmus 'Columella'*	5-5.5m	20-25cm	Clear 2m	RB
Cb	*Carpinus betulus 'Frans Fontaine'*	5-5.5m	20-25cm	Clear 2m	RB
AcB	*Acer 'Autumn Blaze'*	5-5.5m	20-25cm	Clear 2m	RB
PcC	*Pyrus calleryana 'Chanticleer'*	5-5.5m	20-25cm	Clear 2m	RB

Trees to Public Open Spaces and Boundary - Native irish species and/ or cultivars of native species

Key	Species	Height	Girth	Stem	Type
Extra-Heavy Standard Trees					
ME	*Malus 'Evereste'*	4.5-5.0m	16-18cm	Clear 2m	RB
Pa	*Prunus avium 'Plena'*	4.5-5.0m	16-18cm	Clear 2m	RB
SaS	*Sorbus aucuparia 'Sheerwater Seedling'*	4.5-5.0m	16-18cm	Clear 2m	RB
Bp (m)	*Betula pendula*	4.5-5.0m		Multistem	RB
Ag	*Alnus glutinosa*	4.5-5.0m	16-18cm	Clear 2m	RB
Bp	*Betula pendula*	4.5-5.0m	16-18cm	Clear 2m	RB
Qr	*Quercus robur*	4.5-5.0m	16-18cm	Clear 2m	RB
Conifers					
Ps	*Pinus sylvestris*	2.5-3m		Feathered	BR
Multistem Small Trees for Podiums					
AB	*Amelanchier x grandiflora 'Autumn brilliance'*	2.5-3m		multistem	RB
PAR	*Prunus × subhirtella 'Autumnalis Rosea'*	2.5-3m		multistem	RB
MG	*Magnolia 'Galaxy'*	2.5-3m		multistem	RB

Clipped Hedge Planting (Planted double staggered row)

Key	Species	Height	Size	Spacing	Type
H1	*Fagus sylvatica*	0.9-1.2m	1+2	@ 0.45m	BR
H2	*Taxus baccata*	30-50cm	2+2	@ 0.45m	BR

Native Hedgerow Planting Mix - Planted double staggered row

Key	Species	Height	Mix %	Spacing	Type
NH	*Ilex aquifolium*	30-40cm	30%	@ 0.45m	CG
	Prunus spinosa	90-120cm	30%	@ 0.45m	BR
	Crataegus monogyna	90-120cm	40%	@ 0.45m	BR

Screen Planting

Key	Species	Height	Mix %	Density	Type
ScP	*Ilex aquifolium*	30-40cm	20%	3/m2	CG
	Prunus avium	90-120cm	15%	3/m2	BR
	Rosa canina	60-90cm	15%	3/m2	BR
	Prunus spinosa	120-150cm	15%	3/m2	BR
	Crataegus monogyna	120-150cm	20%	3/m2	BR
	Corylus avellana	120-150cm	15%	3/m2	BR

Groundcover Shrub Planting

Key	Species	Height	Size	Density
GSP	*Prunus lauro. Zabeliana*	30-40cm	2L	3/m2
	Pittosporum tenuifolium 'Tom thumb'	30-40cm	2L	3/m2
	Skimmia japonica 'Fragrans'	30-40cm	2L	3/m2
	Hypericum × hidcoteense 'Hidcote'	20-30cm	2L	3/m2
	Hedera helix 'Green Ripple'	30-40cm	1.5L	3/m2
	Hedera hibernica	30-40cm	1.5L	3/m2
	Vinca minor 'Atropurpurea'	20-30cm	2L	5/m2
	Geranium 'Johnson's Blue'	full pot	2L	3/m2
	Athyrium filix-femina	full pot	2L	3/m2
	Dryopteris affinis 'Cristata'	full pot	2L	3/m2
	Epimedium × youngianum 'Niveum'	full pot	2L	5/m2
	Luzula nivea	full pot	2L	5/m2

Shrub and Perennial Planting

Key	Species	Height	Size	Spec	Density
SP1	**Mix 1 - planting mix to public areas**				
	Choisya ternata 'Sundance'	20-30cm	2L	Bushy	3/m2
	Euonymus fortunei 'Emerald Gaity'	20-30cm	2L	Bushy	4/m2
	Hypericum 'Hidcote'	20-30cm	2L	Bushy	3/m2
	Prunus 'Zabeliana'	30-40cm	2L	Bushy	3/m2
	Photinia × fraseri 'Red Robin'	30-40cm	2L	Branched	3/m2
	Lonicera pileata	30-40cm	2L	Bushy	3/m2
	Hydrangea serrata 'Bluebird'	30-40cm	2L	Bushy	4/m2
	Hebe 'Pewter Dome'	30-40cm	2L	Bushy	4/m2
	Skimmia japonica 'Nymans'	30-40cm	2L	Bushy	4/m2
	Rosmarinus officinalis 'Roseus'	30-40cm	2L	Full Pot	3/m2
	Salvia nemorosa		2L	Full Pot	5/m2
	Verbena bonariensis		2L	Full Pot	5/m2
	Euphorbia epithymoides		2L	Full Pot	5/m2
	Rudbeckia fulgida 'Goldsturm'		2L	Full Pot	5/m2
	Geranium × johnsonii 'Johnson's Blue'		2L	Full Pot	5/m2
	Pennisetum alopecuroides 'Hameln'		2L	Full Pot	5/m2
	Stipa tenuissima		2L	Full Pot	3/m2
Key	Species	Height	Size	Density	
SP2	**Mix 2 - planting mix to podium, to screen private apartments, give filtrate view**				
	Hebe 'Wiri Cloud'	20-30cm	2L	3/per m. sq.	
	Hebe 'Nicola's Blush'	20-30cm	2L	3/per m. sq.	
	Skimmia japonica 'Nymans'	30-40cm	2L	3/per m. sq.	
	Ilex crenata 'Golden Gem'	30-40cm	2L	3/per m. sq.	
	Dechampsia cespitosa 'Goldtau'	full pot	2L	5/per m. sq.	
	Calamagrostis × acutiflora 'Karl Foerster'	full pot	2L	3/per m. sq.	
	Stipa gigantica	full pot	2L	3/per m. sq.	
	Pennisetum alopecuroides hameln	full pot	2L	5/per m. sq.	
	Anemone x hybrida 'Konigin charlotte'	full pot	2L	5/per m. sq.	
	Verbena bonariensis	full pot	2L	5/per m. sq.	
	Sedum 'Matrona'	full pot	2L	5/per m. sq.	
	Salvia nemorosa 'Caradonna'	full pot	2L	5/per m. sq.	
	Rudbeckia fulgida var sullivanti 'Goldsturm'	full pot	2L	5/per m. sq.	

Bioswale Shrub and Perennial Planting

Key	Species	Height	Size	Density
BP1	**Type 1**			
	Deschampsia cespitosa	20-30cm	2L	6/m2
	Echinacea purpurea	15-20cm	1L	7/m2
	Euphorbia epithymoides	15-20cm	1L	7/m2
	Geranium rozanne 'Gerwat'	15-20cm	1L	7/m2
	Hemerocallis 'Burning Daylight'	15-20cm	1L	7/m2
	Iris sibirica 'Harpswell Happiness'		Root X3	7/m2
	Iris sibirica 'Soft Blue'		Root X3	7/m2
	Rudbeckia fulgida 'Goldsturm'	15-20cm	2L	7/m2
	Salvia nemorosa 'Caradonna'	15-20cm		7/m2
BP2	**Type 2**			
	Ajuga reptans	20-30cm	2L	6/m2
	Campanula glomerata	15-20cm	1L	7/m2
	Carex pendula	20-30cm	3L	6/m2
	Dryopteris felix mas	20-30cm	2L	6/m2
	Eupatonium cannabinum	15-20cm	1L	7/m2
	Helleborus foetidus	20-30cm	2L	6/m2
	Inula hookeri	15-20cm	1L	7/m2
	Iris pseudacorus		Root X3	7/m2
	Juncus effusus	15-20cm	1L	7/m2

Climbers

Key	Species	Height	Size	Spacing
C1	*Parthenocissus tricuspidata* (Boston Ivy)	60-80	2L	1m ctrs
C2	*Parthenocissus quinquefolia* (Virginia creeper)	60-80	2L	1m ctrs

Native Origin Irish Wildflower Seed Mixtures

Key	Wildflower Meadow Type	Pr.Code
WM1	**Type 1: Hedgerow Wild Flower Mixture**	**EC04**
	Hedgerow Wild Flower Mixture requires light shade and will require occasional maintenance to rake the soil open for new seedlings to germinate.	
	Species List: *Birdsfoot Trefoil, Black Meddick, Burdock, Bluebell, Corn Marigold, Corn Poppy, Cornflower*, Cowslip, Devils Bit Scabious, Foxglove, Hedge Garlic Mustard, Hemp Agrimony, Knapweed, Meadowsweet, Mullein, Ox-Eye Daisy, Purple Loosestrife, Primrose, Ragged Robin, Red Campion*, Ribwort Plantain, Sorrel, St. Johnswort, Upright Hedge Parsley, Wild Angelica, Wood Avens, Sweet Violet, Dog Violet*	
WM2	**Type 2: Wetland Wild Flora (Seasonally Wet)**	**EC05**
	Vigorous, medium-tall mixture which can compete with the often fertile wetland soils on which many wetlands are situated. This range of seed mixture will encourage wildlife and local biodiversity as the plants will attract species suited to the ecology.	
	Species List: *Devils Bit Scabious, Common Sorrel, Cowslip, Fleabane*, Greater Trefoil*, Hemp Agrimony, Lesser Knapweed, Marsh Marigold, Meadow Buttercup, Meadowsweet, Meadow Rue, Oxeye Daisy, Purple Loosestrife, Ragged Robin, Red Clover, Red Rattle, Ribwort Plantain, Selfheal, Sneezewort*, Tufted Vetch, Water Avens*, Wild Angelica, Wild Valerian, Yarrow, Yellow Flag Iris, Yellow Rattle, Corn Marigold, Corn Poppy, Corncockle*, Cornflower*, Scented Mayweed, Redshank* may be added for very wet soils	

SUPPLIER: Design By Nature, Seed House, Monavea, Carlow, Ireland R93 T289.
Info@wildflowers.ie, or equivalent.

Proposed low maintenance grass seeding to public open space

Proposed low maintenance grass seeding to private gardens

Low maintenance grass mix

Mix %	Species
30%	*Slender Creeping Red Fescue*
20%	*Chewings Fescue*
40%	*Perennial Ryegrass*
5%	*Creeping Bentgrass*
5%	*Browntop Bentgrass*

SUPPLIER: National Agrochemical Distributors Ltd., Blake's Cross, Lusk, Co. Dublin
Email: sales@nadirl.com, Tel: (+353-1) 843-7808 or (+353-1) 843-7484

Rev	Date	Drawn	Checked	Description
01	11/04/2024	CD	DB	Updated to 2024 landscape plan
00	11/11/2021	GD	GD	

Notes

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Project: Proposed Residential Development
Port Road, Killarney, Co. Kerry

Drg: Landscape Plan

Project No. 6620

Drawing No. 300 Rev. 01

Scales: 1:500@A0

Status: PLANNING

Date: 23/04/2024

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BSM Est. 1968