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O1 Introduction





As part of this application, we propose to replace the previously permitted Block $\mathsf{E}-\mathsf{which}$ contained 68 apartments — with 8 no. semi-detached houses. This revised proposal offers a more diverse housing mix within the overall scheme and responds to updated design and planning considerations.



Response to LRD Opinion

QUERY 1: Evidence (including a Color-coded map showing percentiles of compliance) to demonstrate that the proposed development is in accordance with the standards for Public, Communal and Private open space set out by the relevant provisions under the Guidelines for Planning Authorities documents: Design Standards for New Apartments 2025 and Sustainable Residential Development and Compact Settlements.

RESPONSE 1: As per drg no. LA-7000 of the submitted drawing pack and section number LA-8000 Open Space Strategy, the proposed development demonstrates compliance with required open space %'s, areas and is tabulated and colour coded accordingly. The proposals are in line with best practice guidance as outline in the county development plan and Design Standards for New Apartments, Sustainable Residential and Compact Settlements.

QUERY 2: The LRD Stage 3 Application should also demonstrate how it accords with the Open Space provisions of the Dun Laoghaire Rathdown County Development Plan 2022-2028.

RESPONSE 2: As per drg no LA-1000, LA-1010 AND LA-7000 of the submitted drawing pack and section number 01 to 04 as per drg no LA-8000 the provision of public, communal and private amenity space, within which play, seating, exercise, walking trail gathering spaces have been provided. The plant palette reflects a richness of native species with some exotics to enhance the developments bio-diverse credentials. The drawing set demonstrates through cross section, plan and detail the consideration of interfaces within the site and on its boundaries and the quality to which the applicant is committed to delivering as well as the retention of existing trees and care not to alter the conditions of those on its boundaries. Additionally, the provision of nature based solutions for storm water have been allocated

QUERY 3: Particular efforts should be demonstrated in the application that the existing mature trees are retained. The LRD stage 3 application documents should include a full suite of Arboricultural Documentation including Landscape Plans; Arboricultural assessments and a tree survey.

RESPONSE 3: Please refer to landscape design drawing suite of plans, sections and details and arborists report and plans.

QUERY 4: A quantitative and qualitative assessment which provides a breakdown of the communal and public open space. The assessment shall detail the functionality of the public space and shall disregard any areas required for circulation space such as footpaths between buildings etc.

RESPONSE 4: As per drg no LA-7000 of the submitted drawing pack and section number 01 to 04 as per drg no LA-8000 the provision of public, communal and private amenity space, within which play, seating, exercise, walking trail gathering spaces have been provided. Open Space Strategy, the proposed development demonstrates compliance with required open space %'s, areas and is tabulated and colour coded accordingly. The proposals are in line with best practice guidance as outline in the county development plan and Design Standards for New Apartments, Sustainable Residential and Compact Settlements. The drawing set demonstrates through cross section, plan and detail the consideration of interfaces within the site and on its boundaries and the quality to which the applicant is committed to delivering.

No Communal Open Space is required for these houses. The COS for the apartment blocks A-D remains unchanged and delivers c.6,460sqm of open space which is significantly in excess of the 3,291sqm required for these blocks.

The Public Open Space will increase as a result of this proposal 13,311.00sqm of open space, which equates to c. 31.7% of the site. This is an increase in area as a result of this proposed development amending block E from apartments to houses.

QUERY 5: Design of the proposed surface water management system including attenuation features and cross sections of all SuDS features proposed on site in the context of surface water management on the site, discharge rates equal to greenfield sites, integration of appropriate phased works.

RESPONDE 5: The provision of nature based solutions for storm water have been allocated and care not to alter the conditions of those on its boundaries. Additionally, the provision of nature based solutions for storm water have been allocated. Please see the Infrastructure Report and the Response to LRD Opinion by DOBA along with the Landscape Rationale by NMP which indicate all attenuation and SuDS features within this proposed amendment application area. It confirms that the discharge rates are appropriate to the site.



02 Landscape Existing Trees + Contours



The existing site slopes gently from south to the north east corner with a 10m elevation change. The intention is to work with the grades, eliminate railings and ramps and minimize walls and cut and fill. Development and altering of grades has been carefully considered in the retention of existing trees.

Trees have been surveyed and a separate report has been prepared to identify and catalogue species, condition, crown spread, height etc. For the most part, where practical, trees will be retained, pruned and augmented.

Refering from the Arboricultural Impact and Tree Protection Strategy Report.

The trees within the survey area are a mixture of early-mature to mature native, naturalised and exotic species. They are mainly located on the northern site boundary and clustered in a group at the site entrance near Wyckham Place.

The condition of the trees generally mixed with a relatively high spread within categories B, C & U.The condition and categorisation of individual trees is contained within the arborists report. No TPOs (Tree protection orders) or SAC (Special Areas of Conservation) are present in the site.

Existing Trees + Grades

^{*} Red Line Indicates Study are only - for application line refer to architects plans.

Landscape Analysis - Site Context



The site is currently under construciton. The existing site is bounded to its east, west, north and southern sides by tree planting in a range of conditions. The south boundary has a wall delineating the residential properties and a fence at the park. The east boundary has a wall with trees in clumps on running along it. The north boundary has existing mature planting adjacent to it beyond the site limits and some tree planting within the site itself. The boundary with the carmelites is fenced.

The site was formally agricultural grazing land, not used for sometime. It is grassed for almost its entire extents up to the boundaries as described above. The site affords views front the high point, at the middle of the southern boundary on the 91m contour to Dublin Bay. Views to the west of the Dublin Mountains are also clear.

Links to Ballawley Park and Greenmount Lane will indeed create for greater contextual permeability.

Legend





••••• Potential Pedestrian Access



View Cone (Refer to next page)



Prevailing Winds



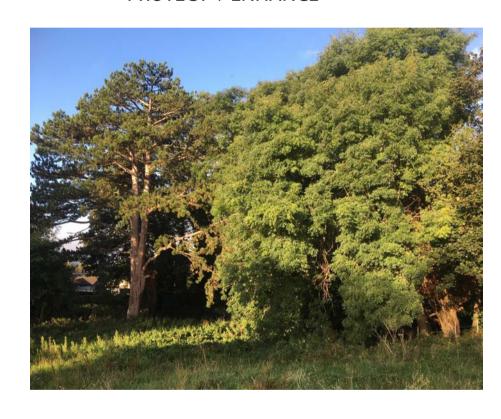
Ownership Line



^{*} Red Line Indicates Study are only - for application line refer to architects plans.

03 Landscape Vision

PROTECT + ENHANCE



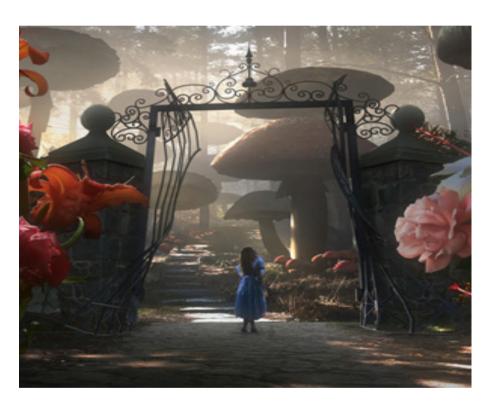
Every effort is been taken to protect existing tree stands and their historical and ecological significance not least the benefit of character they bequeath to the site. An underpinning design driver is the inclusion high quality and varied tree planting in addition to increased biodiversity and opportunities to treat surface water in swale systems.

HISTORICAL CONTEXT



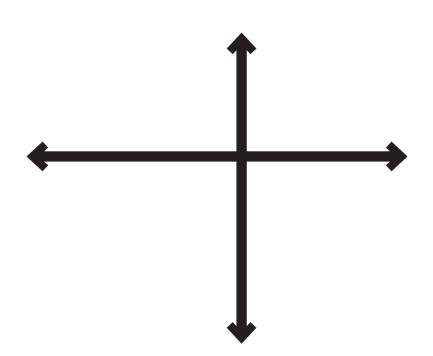
Acknowledging the lands formative years and its institutional history allows subtle touches to influence the design style such as the beautiful existing Georgian structure on adjacent lands. A reinterpretation of the iron work can be the stimulus in characterizing a variety of spaces.

DISCOVER + EXPLORE



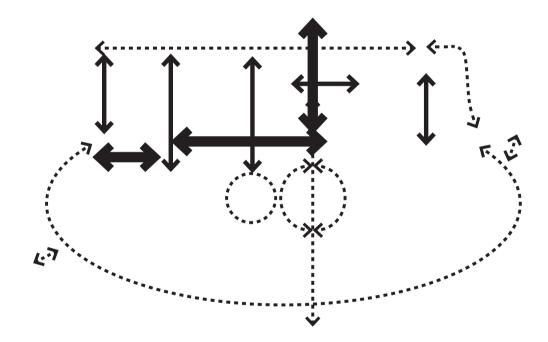
Marmalade Lane will be a community for young families to grow and thrive, a place where every gate will be open to the imagination, celebrating nature throughout the year, an escape from the city embraced by and connecting to nature, Living in the Woods.

PEDESTRIAN AXIS



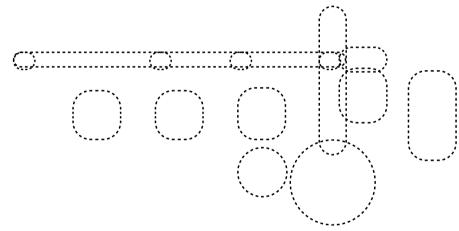
Responding to the sites key pedestrian axis and prioritizing it as a movement corridor to create an active neighborhood, driven by sustainable principles provides a platform and need for high quality public realm.

CREATE THE CONNECTIONS



Creating ease of movement between public, semi-private and private space allows for greater flexibility in how spaces are used and viewed as a sequence of experiences and creating opportunities for more human interactions - underpinning and encouraging a sense of community in the neighborhood. The chalenge levels on site were worked to provide direct accesses withing the site along with providing acessible routes that complies with current standarts of universal design.

BLURRING THE EDGES



The transitioning of spaces to remove physical barriers and blurring the edges by way of subtle landscape interventions encourages the idea of exploration and discovery. Sunken gardens, visual permeability and low walls with tiered planting all contribute to this design approach. The spatial experience works its way from a formal design approach close to the buildings with a fine human scale, to a much more open and natural, crafted design language close to the park as the open space moves away from the buildings.



04 Landscape Masterplan



Illustrative Plan















The landscape design has been planned in such a way so as to take full advantage of the sites orientation and anticipated microclimate to create habitable, quality spaces which respond to human comfort encouraging residents and public into a safe and surveilled space. A number routes through the site have been identified to benefit connections with its surroundings and provide a better amenity for adjacent residential dwellings. Pedestrian and cycle routes from Greenmount Lane and Ballawley Park will help to reduce journey times to the Luas and Dundrum Town Center. This routes are well designed to 1:21 gradients and provide a welcoming transition through the site.

In addition, the omission of Block E and replacement with 4 pairs of semi-detached units will increase the area of public open spaces in addition to a net gain to biodiversity through the development of additional habitat connecting existing surrounding ecological stands with continuous tree canopies for bat and bird roosting and provision of specific plants for badgers on adjacent lands to forage through.

An increased number of trees, areas for surface water treatment and wild-flower meadows coupled with best practice maintenance will ensure a sustainable landscape for the future. Edge conditions and relationships with neighboring developments are also of interest to sensitively integrate and screen.

The primary objectives of the design are to encourage biodiversity through varied tree an shrub planting, create a series of interlinking spaces which 'blur' the boundaries and create 'moments' for interactions crafting a sense of community for the new and existing neighborhood.

Legend

- 1 Arrival + Creche Drop Off
- 2 Arrival Square
- 3 The Bowl
- 4 Marmalade Walk
- Marmalade Gardens
- 6 Park Entrance
- 7 Hanging Gardens / Seating
- 8 Communal Gathering Space

- 9 Play
- 10 Covered Bike Parking
- 11 Jogging Route
- Screen Planting
- 13 Obstacle Course
- 14 Padel Courts
- 15 Dog Park
- 16 Seating/Pergola

04 Landscape Design

NA

This new typology retains the site's permeable routes while enhancing street-level activity through individal front doors opening directly onto shared surface streets.

These streets are designed to prioritise pedestrians over vehicles, encouraging walking and cycling and fostering a stronger sense of community.

Narrow carriageways, shared surfacing, and landscape elements guiding vehicle speeds and reinforcing the pedestrian-focused environment continuing to connect residents and visitors to courtyards, green spaces, and amenities throughout the site

Planting will act as buffer zone blurring the edges between public and private areas, with year round planting interest. BBQ area to encourage social activities, lawns for flexible use and aesthetic wellbeing.



DISCRETE SEATING AREAS



BLURRING THE BOUNDARIES BETWEEN PUBLIC AND PRIVATE



OWN DOOR ACCESS AT GROUND FLOOR



SIMPLICITY IN DESIGN OF SPACE AND PLANTING



Illustrative Plan - Marmalade Green



KEY PLAN







Enhanced Biodiversity

Quality Open Space

05 Design Strategies: Programme

KEY DESIGN DRIVERS:

- 1. Pedestrian Orientated Scheme: Access for mobility impaired drivers, emergency and service vehicles. The scheme has carefully designed out the need for ramps greater than 1:21 despite the sloping nature of the gradient. It promotes walking and cycling at its heart and actively encourages increased permeability through the site from north to south and east to west by providing public access to the wider area which remain unchanged per the permitted parent permission unlocking key connectors in the local context from Ballawley Park, Greenmount Lane, Wyckham Place and St Tiernans School.
- 2. Protect + Enhance: The sites greatest natural assets are its existing trees. The design works to protect and celebrate these as part of its character, not impacting on the existing high quality trees as permitted. Furthermore, the design is enhanced with additional tree planting to all boundaries and its internal space, creating a variety of spatial experiences.
- 3. Enhanced Biodiversity: With the omission of block E, and replacement with the semi detached houses resulted in a increased area of open spaces. This reflected in net gain for bio-diversity by additional tree planting to promote Carbon Sequestration, use of native tree and shrub planting and wildflower meadow grass areas to promote the pollination plan in addition to the provision of SUDs systems such as green roofs and surface water attenuation in swales, (refer to eng report and drawings), permeable paving and bio-retention tree pits. The plan also extends to include badger foraging plant species and creates a continuous connecting loop of trees to cater for bat roosts.
- 4. Quality Open Space: The provision of high quality spaces, orientated to maximize solar gain and programmed to cater for exercise, interactions, play and other social activities to create a sense of community across a wide demographic as well as aesthetically pleasing spaces which generate a 'sense of place' and varied but unified character. This addional public open space area will provide both active and passive public open space, creating a welcoming environment for visitors to pass through and utilise the amenities.

Protect + Enhance

Connectivity + Permeability

D5 Landscape Strategies - Accesibility + Circulation



<u>Legend</u>

---> Mobility Impaired Vehicle Access, EVA, Pedestrian, Cyclist

Main Vehicle, Pedestrian + Cyclist Entrances

Pedestrian + Cycle Entrances

→ Pedestrian + Cycle Routes

Houses Entrance

Vehicle Turnaround

Site permeability and connectivity wider area remain unchanged and are as permitted in the parent permission. Residents have a car park access in front of their houses with this new additional shared surface, that also allows bin lorries access and better linkages through the site. Access to ground floor of houses has been provided in order to create activation for the public and private realm. All houses entrances are Part M compliant and key routes around the site provide for access for all. 1:21 slopes have been integrated throughout.

05 Landscape Strategies - Levels + Thresholds



<u>Legend</u>

+0.00 First Floor Level

+0.00 Landscape Level

Level thresholds to blocks have been designed throughout the development with no ramps with an incline greater than 1:21 required. Proposed levels follow the existing grades, with no retaining walls required to the sites boundaries or impacts to existing trees on boundaries as a result of regrading.

05 Landscape Strategies - Public + Communal Open Space Quality + Quantum



<u>Legend</u>



Communal Open Space Required: 3291m2 Communal Open Sapce Provided: 6470m2

Total Communal Open Space + Public Open Space: 19779.00m2

With the proposed amendment, Block E is to be replaced by 8 semi-detached houses. As each block is standalone in terms of amenity area, the replacement of the larger apartment block with 8 smaller homes and associated gardens will result in a increase in external open space. While these houses will not contribute to the shared amenity total, the revised layout will offer more open landscaped areas overall due to the smaller collective footprint of the houses.

All other communal amenity areas remain unchanged, continue to exceed minimum requirements, and provide high-quality, well oriented, accessible, and passively supervised open space for residents despite the removal of Block E.

The Open Space for Marmalade Lane has been planned without boundaries as an open permeable landscape. The semi private space bleeds into the public open space with a series of smaller pocket spaces designed for seating, exercise or play.

At the front of the houses, small landscaped gardens open directly onto the public open space, encouraging passive surveillance and neighbourly interaction while contributing to a vibrant public realm. To the rear, all homes benefit from private back gardens, offering secure, enclosed areas suitable for family use and play. This arrangement ensures that while the homes contribute to an active streetscape, they also provide residents with clearly defined, functional, and private outdoor spaces in line with best practice residential design standards.

D5 Landscape Strategies - Utilities, Bike + Car Parking



<u>Legend</u>

- (PP) Private Parking
- P Mobility Impaired Parking (2no. / Block)
- B Bins
- (BP) Bike Park

Public Parking will be provided across the development divided into long and short term points. Each of the 8 proposed houses will be provided with one on-plot car parking space, located directly in front of the home for convenience, while maintaining a streetscape that encourages social interaction and walkability. Secure cycle parking will be provided on-plot within each house's private rear garden, giving residents a safe and easily accessible location for storing bicycles. This supports the scheme's wider sustainable transport objectives and encourages active travel for daily trips. Bins will be provided within the landscape for general and recycling waste on key service.

D5 Landscape Strategies - Trees to be Retained + Proposed



Legend

- East West Tree
- North South Tree
- Parkland Tree
- Specimen Tree
- Woodland / Screen Tree
- Existing Tree to be Retained

SPECIES NAME	
Pa - Picea abies	
Ps - Pinus sylvestris	
Qr - Quercus robur	
Af - Acer x freemanii	`Autumn Blaze`
Bu - Betula utilis Mult	tistem
Cc - Cercis canadens	sis `Forest Pansy`
Cj - Cercidiphyllum ja	ponicum
t - Lirodendron tulipi	ifera
Bp - Betula Pubescer	ns
Cb - Carpinus Betulu	s

Fm - Fagus Sylvatica Multistem

For detail on tree removal refer to arborists report. Proposed woodland planting will define and screen boundaries adding to the overall character of the site and the walking routes around and through it creating ecological corridors to knitt into the surrounding context.

Refer to layout (LA-1010) and planting schedule for tree species.

D5 Landscape Strategies - Sections





SECTION A



SECTION B





Landscape Plans and schedules included in the application, prepared by NMP Landscape Architects includes a detailed schedule of proposed planting and illustrates the location and extent of mown grass, managed long grass, reinforced grass, low ground cover, hedge and tree planting as well as existing trees to be retained.

Tree species are selected for longevity, suitability to local soil conditions and micro-climate, biodiversity (native species) and where required suitability for proximity to residential buildings. Proposed tree sizes range from heavy standards and multistemmed trees to native whip and forestry transplants.

Law planting is utilized to make and reinforce sub-spaces within the larger landscape spaces, for visual screening, defensible space, visual interest, ecological purposes and to guide or direct people's movement. The low planting is conceived as subtle layering of greens within the open spaces. The planting is layered as follows; lowest - bulb planting, ground cover planting, highest - clipped hedge planting.

The selection of hard landscape materials is determined by function but also to provide a cohesive palette of materials throughout. Materials are chosen for durability, but where practical are proposed to be constructed in a way which is sensitively integrated with lawn and soft landscape, in order to minimise the impact of hard landscape surfaces. Primary vehicular, pedestrian and cycle circulation are proposed as a durable, limited range of neutral materials with robust construction. Self-binding gravel and large format reconstituted stone slabs are proposed for pedestrian routes in open space.

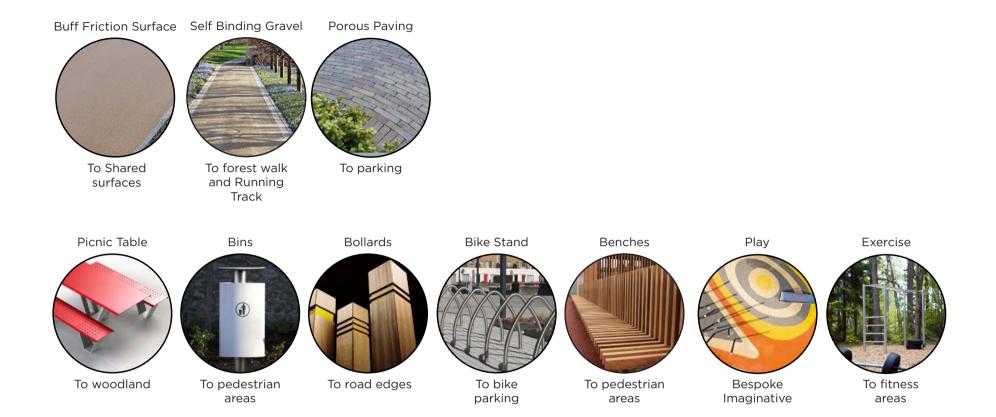
06 Indicative Hard Landscape Material Approach

Surface Finishes

The hard materials palettes have been selected to represent and respond to use and character of specific spaces. They will be durable and of high quality with patterning developed in the latter stages to indicate moments and celebrate thresholds.

Furniture

Bins, bollards and seating have been selected as appropriate to the design language and surroundings within which they fit. These for the most part, will be off the shelf products and specified accordingly.



06 Indicative Soft Landscape Material Approach

Woodland Tree Planting

Informed by the existing and formative tree planting and a native palette the tree planting will bleed into the site and grade out form north to south.

















Street Trees + Small Feature Trees + Podium Trees Planting

Specimen tree planting will provide year long interest and beauty - landmarks in the landscape, to celebrate and identify with.









Acer ariseum









Wildflower & Shrub Planting

To enhance bio-diverse credentials wildflower planting will occupy edges and large swathes of the sites periphery along with shade tolerant understory planting.











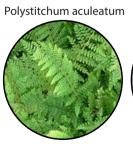






Woodland Understory & Shade Loving Planting

Woodland areas and shaded gardens will be planted with mix of shade loving plants.



















06 Planting Palette - Planting Approach



Bulbs to add seasonal interest

Native trees planting including birches and pines

Wildflower meadow

Podium planting with small feature trees

06 Indicative Soft Landscape Material Approach

	SPECIMEN SHRUBS				
	NAME	SIZE	NATIVE		
ae	Aralia elata	5Lt	No		
bs	Buxus sempervirens ball pruned	5Lt	No		
се	Ceanothus spp.	5Lt	No		
db	Daphne bholua	5Lt	No		
ms	Magnolia stellata	5Lt	No		
ob	Osmanthus burkwoodii	5Lt	Yes		
tb	Taxus bacatta clipped ball	5Lt	No		
vp	Viburnum plicatum	5Lt	No		

NAME	SIZE	NATIVE
PERENNIALS & GR	OUNDCOVERS	
Heuchera fireworks	2Lt	No
Hosta sp.	2Lt	No
Liriope muscari	2Lt	No
Orchis mascula	2Lt	Yes
Pachysandra terminalis	2Lt	No
Petasites fragrans	2Lt	Yes
Primula vulgaris	2Lt	Yes
Pulmonaria 'Diana Clare'	2Lt	Yes
Teucrium scorodonia	2Lt	Yes
Viola odorata	2Lt	Yes
Viola riviniana	2Lt	Yes
SHRU	38	
Camellia japonica 'Grand Prix'	3Lt	No
Cyathea australis	5Lt	No
Dryopteris filix-mas	2Lt	Yes
Polystitchum aculeatum	2Lt	Yes
Viburnum davidii	2Lt	No
GRASS	ES	
Anemanthele lessoniana	2Lt	No
Chionochloa rubra	2Lt	No
Stipa tenuissima	2Lt	No
BULB	S	
Anemone sylvestris		Yes
Crocus banaticus		No
Galanthus plicatus		No
Uvularia grandiflora		No

PLANTING MIX 2 - PERENNIAL SHRUBS	L FLANTING WIIA	
		No
Buxus sempervirens Euonymus fortunei 'Emerald 'n' Gold'	2Lt	No
	2Lt	Yes
Lavandula x intermedia 'Provence' Salvia officinalis	2Lt	
GRASSES	2Lt	Yes
Carex elata 'Aurea'	21.	
	2Lt	Yes
Carex morowii	2Lt	No
Carex 'Red Rooster'	2Lt	No
Festuca glauca	2Lt	No
Imperata 'Red Baron'	2Lt	No
Molinia caerulea 'Karl Forester'	2Lt	Ye
Pennisetum sp.	2Lt	No
Pennisetum golden	2Lt	No
Pennisetum rubrum	2Lt	No
Stipa tenuissima	2Lt	No
PERENNIALS & GROUND	COVERS	
Ajuga reptans	2Lt	Ye
Echinaces purpurea 'Rubinstern'	2Lt	No
Hedera helix	2Lt	Ye
Hosta sp.	2Lt	No
Pachysandra terminalis	2Lt	No
Phormium 'Firebird'	2Lt	No
Phlox subulata	2Lt	No
Rudbeckia maxima	2Lt	No
Tradescantia pallida	2Lt	No
Verbena bonariensis	2Lt	No
BULBS		
Allium sphaerocephalon	2Lt	
Allium 'Everest'	2Lt	
Allium Globemaster	2Lt	
Allium Purple Sensation	2Lt	
Crocus sp.	2Lt	
Crocus tommasinianus 'Whitewell Purple'	2Lt	
Narcissus Petrel		
Erythronium Pagoda		
Gaulthonia canadensis		
Camssia leichtinii	-	
Tulipa sp.		

PLANTING MIX 3- WILDFLOWER				
NAME	SIZE	NATIVE		
ALL-IRELAND POLLINATOR PLAN WILDFLOWER MIXTURE SEED MIX				
Birdsfoot Trefoil, Black Meddick, Cowslip, Devil's Bit Scabious, Meadow Buttercup, Field Scabious, Hemp Agrimony, Kidney Vetch, Lady's Bedstraw, Lady's Ann lace, Lesser Knapweed, Meadowsweet, Mullein, Ox-eye Daisy, Purple Loosestrife, Ragged Robin, Red Campion, Red Clover, Ribwort Plantain, Rough Hawksbit, Sorrel, St Johnswort, Wild Angelica, Wild Carrot, Yarrow, Yellow Agrimony, Yellow Rattle, Teasel and more. Also includes 35% annuals: Corn Marigold, Corn Poppy, Corncockle, Cornflower, Scented Mayweed,	Seed Mix	Yes		
PERENNIALS				
Echinaces purpurea 'Rubinstern'	2Lt	No		
Heuchera fireworks	2Lt	No		
Rudbeckia maxima	2Lt	No		
Verbena bonariensis	2Lt	No		
SHRUBS				
Lavandula x intermedia 'Provence'	2Lt	Yes		
Salvia officinalis	2Lt	Yes		
GRASSES				
Carex elata 'Aurea'	2Lt	Yes		
Pennisetum sp.	2Lt	No		
BULBS				
Alium giganteum		No		
Crocosmia 'Lucifer'		No		
Crocosmia 'Paul's Best Yellow'		No		
Erythronium pagoda		Yes		

PLANTING MIX 4 - WATER PLANTING MIX		
NAME	Stock	
POND PLANTING		
Nymphaea sub Attraction	3L 5L cg	
Nymphaea sub Charles de Meurville	3L 5L cg	
Phragmites australis	3L 5L cg	
Carex Secta	2L 5L cg	
Cyperus longus	9cm 3L	
	cg	
Spartina pectinata	9cm 3L	
	cg	
Glyceria maxima variegata	3L cg	



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