



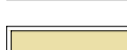






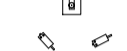
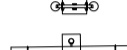

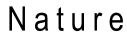




Paving/Hard Landscape

-  Asphalt carriageway
-  Buff Asphalt - Homezones/Shared Surface
-  In-situ Concrete - Exposed aggregate finish to public space circulation
-  In-situ Concrete - Brushed Finish to paths
-  Hard Binding Gravel
-  Precast Concrete Paving: Black Granite/Granite Colour
-  Softfall surface: Bark mulch
-  Bespoke furniture
-  Timber seating cubes
-  Stainless steel 'sheffield standard' bicycle stands












Play Equipment (sample spec.)

-  Medium Swing
-  Small hardwood animals
-  Small See saw
-  Medium See saw
-  Jumping Disc

Nature Play Elements

-  Scattered nature play elements: logs, granite boulders, stepping logs, tree trunks

Soft Landscape

-  Existing Trees to be Retained
-  Existing Riparian Planting to be Retained
-  Large Trees 25-50sqm size and above
-  Medium Trees 10-20 and 20-25sqm size
-  Small Trees Multi-stems, 16-18sqm standards
-  Clipped Evergreen Hedge Planting: See accompanying Landscape Report for species mix.
-  Native Hedge Planting or Native Hedgerow: See accompanying Landscape Report for species mix.
-  Ornamental Pollinator Friendly Mix: See accompanying Landscape Report for species mix.
-  Flowering Lawn with Wildflowers mix and Bulbs: See accompanying Landscape Report for species mix.
-  Meadow: See accompanying Landscape Report for species mix.
-  Amenity Lawns: See accompanying Landscape Report for species mix.

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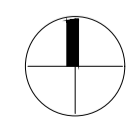


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DATE	REV.	DESCRIPTION	DRAWN BY	CHECKED BY
28-03-2024	A	Drawing updated to EML/NHP Entry layouts.	MF/GF	GF

NOTES:

Existing pillars and railings to be retained.  
 Allowance for new cycleway and footpath to regional road - see accompanying drawings by HHP.  
 Picnic set with adoptions for wheelchair users  
 Existing pillars and railings to be retained.  
 Reflection Garden with simple water feature  
 Allowance for new cycleway and footpath to regional road - see accompanying drawings by HHP.  
 Seating opportunities for elderly persons - higher seating height

 ait urbanism + landscape	3rd Floor Newmarket House, Newmarket Square, Dublin 8 Ireland t +353 1 617 2852 www.aitgroup.ie	ISSUE STATUS: <b>PLANNING</b>	 NORTH
	CLIENT: Louth County Council PROJECT: Dunleer Housing DRAWING: Landscape Plan	DRAWING NO: 23LH01-DR-Dun-0100 REVISION: A 1st ISSUE: 26.02.2024 SCALE: 1:500 SHEET SIZE: A1 CHECKED BY: GF	

# Landscape Report - selected paving materials and planting selection

Louth Accelerated Delivery Housing - **Dunleer**



February 2024



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1.0 Paving Materials

2.0 Planting & Biodiversity Overview

3.0 Playgrounds

4.0 Site Furniture

5.0 Sustainable Urban Drainage Systems

6.0 Homezones

7.0 Sheltered Accommodation - Landscape Adaptions

8.0 Planting

# 1.0 PAVING MATERIALS

## ON CURTILAGE PAVING MATERIALS



Precast concrete paving blocks in graphite and light grey colours. Graphite used exclusively beneath parking areas to limit visible staining. Lighter colours used to highlight dwelling entrances and approaches. Driveways to use permeable paving generally.

## PUBLIC REALM PAVING MATERIALS



Brushed concrete public footpaths



Black asphalt and/or exposed aggregate concrete - open space **primary** circulation



Hard binding gravel - open space **secondary** circulation



Material changes- used to highlight crossing points and to add variation in public realm materials

2.0 PLANTING & BIODIVERSITY OVERVIEW



**Street trees** - a primary element in placemaking. Native and naturalised species will be chosen for adaptability to urban environments and ease of establishment.



**Street trees** - build-outs used to define parking areas and to provide horizontal deflections for traffic calming



**Native Species** - hedgerows and shelterbelts of native species provide ecological corridors, existing boundary hedgerows or other hedgerows will be retained where feasible.



**Meadow planting** - provides visual interest over large areas and is a nectar source for pollinating insects. Mown pathways create opportunities for interaction with landscape features. Meadows thrive on less fertile or degraded soils.



**Bulb Planting** - provides seasonal interest and can be used over large areas.



**Ornamental Planting** - used in appropriate locations in the public realm to provide visual interest and to establish a sense of place.

### 3.0 PLAYGROUNDS



**General Commentary** - playgrounds should feature natural elements such as mounds, berms, logs and boulders. Play pieces composed of natural timber enhance a child's sensory experience and they visually settle more easily into a wider landscape context. Play surfacing is available in a range of materials, bark chip either natural or rubberised compliments a nature based theme. Playgrounds should provide seating for social engagement between parents and for families to spend time in outdoor settings.





4.0 SITE FURNITURE



**General commentary** - furniture is a key element in placemaking, particularly when it is site specific. Bespoke furniture enhances public spaces even when used sparingly, it can also be used alongside off-the-shelf products to define a hierarchy of open space.





**General Commentary** - SUDs features such as swales and attenuation basins can easily be incorporated as landscape features if considered at an early stage in the design process. Changes in topography create variation in what otherwise might be flat areas of amenity lawn, swales provide opportunities for biodiverse linear features that define the edges of public open space.

## 6.0 HOMEZONES

**General Commentary** - Homezones are shared spaces in naturally slow speed environments such as cul-de-sacs. Cars and pedestrians share equal priority, so unlike conventional estate roads, the line between footpath and carriageway is removed allowing the entirety of the shared space can be inhabited by pedestrians. This effectively enlarges the public realm and encourages drivers to be more cautious as they move slowly through it.



### KEY

1. max. 4800mm wide; shared surface carriageway; colour SMA.
2. 1500mm wide verge; surfaced in exposed aggregate concrete or coloured SMA
3. Flush kerb; in-situ or PC concrete
4. Dished footpath to mark gateway to Home Zone
5. On curtilage parking; surfaced in permeable block paving.
6. Road carriageway



7.0 SHELTERED ACCOMMODATION - LANDSCAPE ADAPTIONS



**General Commentary** - Where sheltered accommodation for elderly residents is to be provided, provision can be made in the landscape design to enhance these users' experience of open spaces, whether individually or collectively.

Clockwise from top,

- Seating bench with armrests and a high backrest, the seating height is raised above 450mm to enable users with mobility issues to more easily return to a standing position, a footrest compensates for this raised height when seated.
- Trees provide shade, this is an important component for seating areas which can become uncomfortable if exposed to the full glare of the sun.
- Perch benches are an alternative form of seating again for users with mobility issues and can be used for short rests. It is easier to return to a standing position when leaning as opposed to sitting.
- Outdoor tables can often overlook wheelchair users, simple adaptations such as an extended tabletop allow users to wheel themselves under the table top to attain a comfortable and socially inclusive seating position.
- Simple Reflection Gardens with water features can be therapeutic for people of all ages. They can also create opportunities for social interaction, which in turn helps to foster a wider sense of community.



# Pollinator and Biodiversity Friendly Planting Palette

2024



Pollinator friendly



Biodiversity enhancing



Shade tolerant planting



Sunny exposure planting



Native planting



Sensory mix



Street and avenue trees



Specimen trees, park trees and general



Flowering, ornamental and multi-stem trees



Woodland



Native Hedgerow



Pollinator Friendly Hedging



Wetland



Shrubs



Pollinator Planting



Rain Garden Planting



Meadow



Grassland



## Trees

Street and avenue trees (Semi-mature clear-stem trees)

*Acer campestre* 'Elegant'  
*Amelanchier x grandiflora* 'Robin Hill'  
*Pyrus calleryana* 'Chanticleer'  
*Sorbus aria* 'Majestica' (N)  
*Tilia cordata* 'Greenspire'  
*Tilia x europaea* 'Euclora'



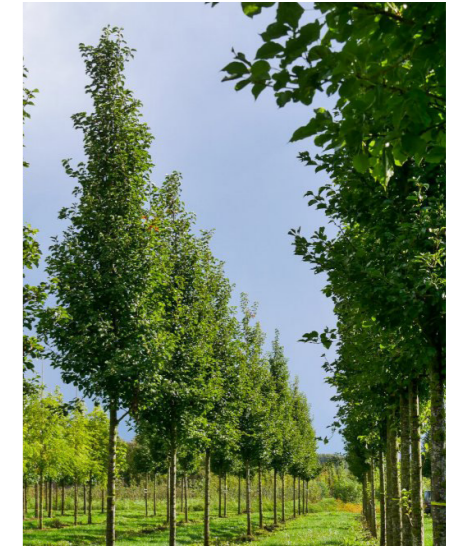
*Acer campestre* 'Elegant'



*Amelanchier x grandiflora* 'Robin Hill'



*Sorbus aria* 'Majestica'



*Pyrus calleryana* 'Chanticleer'



Specimen trees, feature trees, park trees and general

Native trees:  
*Betula pendula*  
*Pinus sylvestris*  
*Quercus robur*  
*Ulmus glabra*

Non-native biodiversity friendly trees:  
*Acer platanoides* 'Princeton Gold'  
*Acer rubrum* 'October Glory'  
*Aesculus hippocastanum*  
*Fagus sylvatica*  
*Juglans regia*



*Acer platanoides* 'Princeton Gold'



*Acer rubrum* 'October Glory'



*Aesculus hippocastanum*



*Juglans regia*



*Betula pendula*



*Pinus sylvestris*



*Quercus robur*



*Ulmus glabra*



Standard trees

- Betula pendula*
- Corylus avellana*
- Pinus sylvestris*
- Prunus padus*
- Quercus robur*
- Sorbus aucuparia*



*Betula pendula*



*Corylus avellana*



*Pinus sylvestris*



*Prunus padus*



*Sorbus aucuparia*



Flowering, ornamental and multi-stem trees

- Amelanchier lamarckii*
- Cercidiphyllum japonicum*
- Cornus sp.*
- Corylus avellana* (N)
- Crataegus monogyna* (N)
- Crataegus laevigata* 'Paul's Scarlet'
- Prunus avium* (N)
- Sorbus aucuparia* (N)



*Amelanchier lamarckii*



*Corylus avellana*



*Crataegus monogyna*



*Prunus avium*



## Hx Native hedgerow

Planted at 500mm centres in a double staggered row, 0,9 - 1,2m. ht.

Plants list:

*Crataegus monogyna*

*Corylus avellana*

*Ilex aquifolium*

*Malus sylvestris*

*Prunus spinosa*

*Prunus avium*

*Rosa canina*

*Sambucus nigra*

*Viburnum opulus*



*Crataegus monogyna*



*Prunus spinosa*



*Rosa canina*



*Viburnum opulus*



## Pollinator and Biodiversity Friendly Hedging

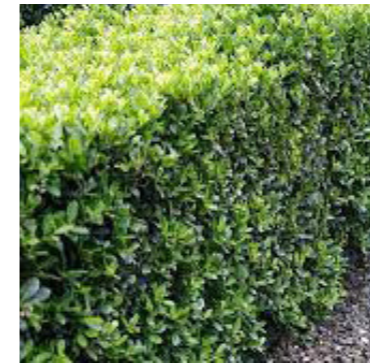
5 Litre pot, cg., 6 Plants Per Square Metre

*Ilex aquifolium*

*Ilex crenata*



*Ilex aquifolium*



*Ilex crenata*





## P Pollinator Planting

PF Full Sun

Majority of the plants listed on All-Ireland Pollinator Plan 2015-2020, Pollinator Friendly Planting Code or the RHS Plants for Pollinators.

### Perennials:

*Centaurea atropurpurea*  
*Cirsium rivulare*  
*Euphorbia characias*,  
*Echinops bannaticus*  
*Erigeron karvinskianus*  
*Erysimum* 'Bredon'  
*Gerenium* 'Rozanne'  
*Gerenium* 'Johnson Blue'  
*Helleborus argutifolius*  
*Knautia macedonica*,  
*Nepeta* 'Kit Kat'  
*Perovskia atriplicifolia* 'Blue Spire'  
*Pulmonaria officinalis*  
*Rudbeckia fulgida* 'Goldstrum'  
*Salvia nemerosa*  
*Stachys byzantina*

Ornamental Grasses and Sedges; for mid-Winter interest, max. 30% of any planted area:

*Calamagrostis* 'Waldenbuch'  
*Carex elata* (N)  
*Deschampsia cespitosa*  
*Helictotrichon sempervirens*  
*Molinia Caerulea* (N)  
*Sesleria autumnalis*

### Bulb Underplanting

*Allium c.vars*  
*Narcissus c.vars*



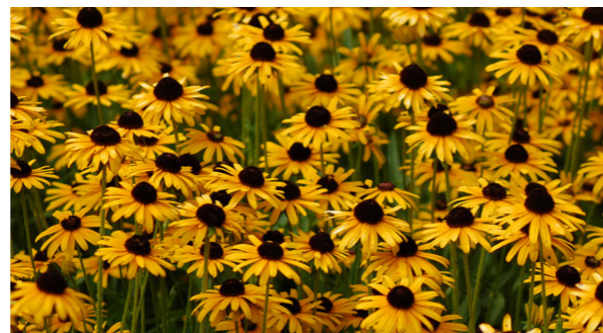
*Helictotrichon sempervirens*



*Allium* 'Christophii'



*Knautia macedonica*



*Rubeckia fulgida* 'Goldstrum'



PS Shade

Majority of the plants listed on All-Ireland Pollinator Plan 2015-2020, Pollinator Friendly Planting Code or the RHS Plants for Pollinators.

Perennials:

*Anemone hupehensis*  
*Anemone x hybrida*  
*Bergenia cordifolia* 'Rubra'  
*Brunnera* 'Jack Frost'  
*Brunnera* 'Looking Glass'  
*Digitalis purpurea*  
*Geranium macrorrhizum*  
*Helleborus orientale*  
*Helleborus* 'White Lady'  
*Heuchera* 'Lime Marmalade'  
*Lysimachia nummularia* 'Aurea'  
*Persicaria affinis* 'Darjeeling Red'  
*Pulmonaria* 'Blue Ensign'  
*Rodgersia* 'Dark Pokers'  
*Vinca minor*

Ornamental Ferns; for mid-Winter interest, max. 30% of any planted area:

*Blechnum spicant*  
*Dryopteris affinis*  
*Polstichum setiferum*

Bulb Underplanting

*Anemone nemerosa* (N)  
*Crocus*  
*Galanthus nivalis*  
*Hyacinthoides non-scriptus* (N)



*Dryopteris affinis*



*Bergenia cordifolia* 'Rubra'



*Brunnera* 'Jack Frost'



*Rodgersia* 'Dark Pokers'



## G Meadow and Grassland

### GL1 Low Sward Meadow

Suitable for occasional cutting (every 6 weeks approx. from March – October). Suitable for roadside verges as sightlines for traffic safety can be maintained. Leave sward uncut during month of May. Verges can be seeded with a wildflower / grass mix of native species. Remove arising with each cut.

Ratio of Wildflower to Grass Seed; 70:30. Sowing rate 2gr / m2 approx.

#### Wildflowers:

Lady's Bedstraw	<i>Galium verum</i>
Bugle	<i>Ajuga reptans</i>
Meadow Buttercup	<i>Ranunculus acris</i>
Wild Chamomile	<i>Chamaemelum nobile</i>
Red Clover	<i>Trifolium pratense</i>
Cowslip	<i>Primula veris</i>
Oxeye Daisy	<i>Leucanthemum vulgare</i>
Smooth Hawksbit	<i>Leontodon saxatilis</i>
Ribwort Plantain	<i>Plantago lanceolata</i>
Quaking Grass	<i>Briza media</i>
Selfheal	<i>Prunella vulgaris</i>
Sorrel	<i>Rumex acetosa</i>
Birdsfoot Trefoil	<i>Lotus corniculatus</i>
Yarrow	<i>Achillea millefolium</i>
Kidney Vetch	<i>Anthyllis vulneraria</i>

#### Native Grasses:

Creeping Bent	<i>Agrostis stolonifera</i>
Crested Dogstail	<i>Cynosurus cristatus</i>
Meadow Fescue	<i>Festuca pratensis</i>
Sheeps Fescue	<i>Festuca ovina</i>
Slender Red Fescue	<i>Festuca rubra</i>
Timothy	<i>Phleum pratense</i>
Smooth Stalked Meadowgrass	<i>Poa pratensis</i>

Bulb Mix (5 bulb types combined in equal proportions, planted 25 bulbs / m2 )  
20% *Allium species*, 20% *Crocus*, 20% *Galanthus*, 20% *Narcissus*, 20% *Scilla*

Bulb coverage: 25% of total area



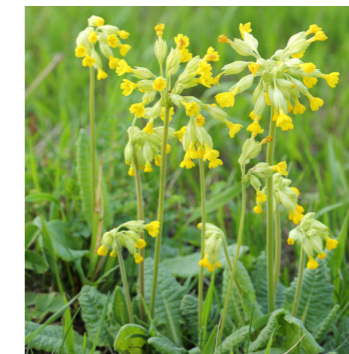
Oxeye Daisy



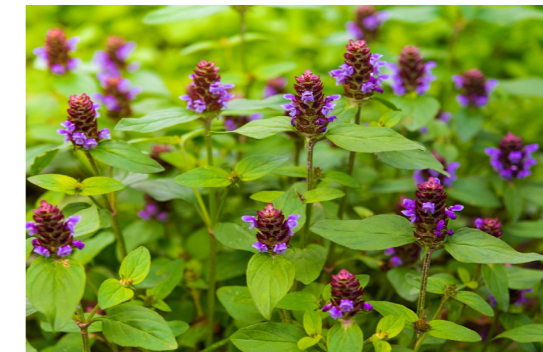
Red Clover



Yarrow



Cowslip



Selfheal



GT Tall Sward Meadow

Suitable for cutting once or twice per annum. Cut every September, cutting can be left for a few days to allow seed to drop from, remove arisings. A second cut can be undertaken during March to remove Winter growth of grasses and vigorous species. Always remove the arisings.

Ratio of Wildflower to Grass Seed; 70:30. Sowing rate 2gr / m2 approx.

Wildflowers:

- Birdsfoot Trefoil
- Black Meddick
- Devil's Bit Scabious
- Corn Marigold
- Corn Poppy
- Corncockle
- Cornflower
- Cowslip
- Eyebright
- Fleabane
- Kidney Vetch
- Lady's Bedstraw
- Lesser Knapweed
- Marjoram
- Scented Mayweed
- Ox-eye Daisy
- Ribwort Plantain
- Red Campion
- Red Clover
- Red Bartsia
- Rough Hawksbit
- Selfheal
- Sorrel
- St Johnswort
- White Campion
- Wild Carrot
- White Clover
- Yarrow
- Yellow Rattle

- Lotus corniculatus*
- Medicago lupulina*
- Succisa pratensis*
- Glebionis segetum*
- Papaver rhoeas*
- Agrostemma githago*
- Centaurea cyanus*
- Primula veris*
- Euphrasia*
- Erigeron*
- Anthyllis vulneraria*
- Galium verum*
- Centaurea nigra*
- Origanum majorana*
- Matricaria chamomilla*
- Leucanthemum vulgare*
- Plantago lanceolata*
- Silene dioica*
- Trifolium pratense*
- Odontites vernus*
- Leontodon hispidus*
- Prunella vulgaris*
- Rumex acetosa*
- Hypericum perforatum*
- Silene latifolia*
- Daucus carota*
- Trifolium repens*
- Achillea millefolium*
- Rhinanthus minor*



Devil's-bit Scabious



Birdsfoot Trefoil



Yellow Rattle



Cornflower



Mayweed



Eyebright



Smooth Hawksbit

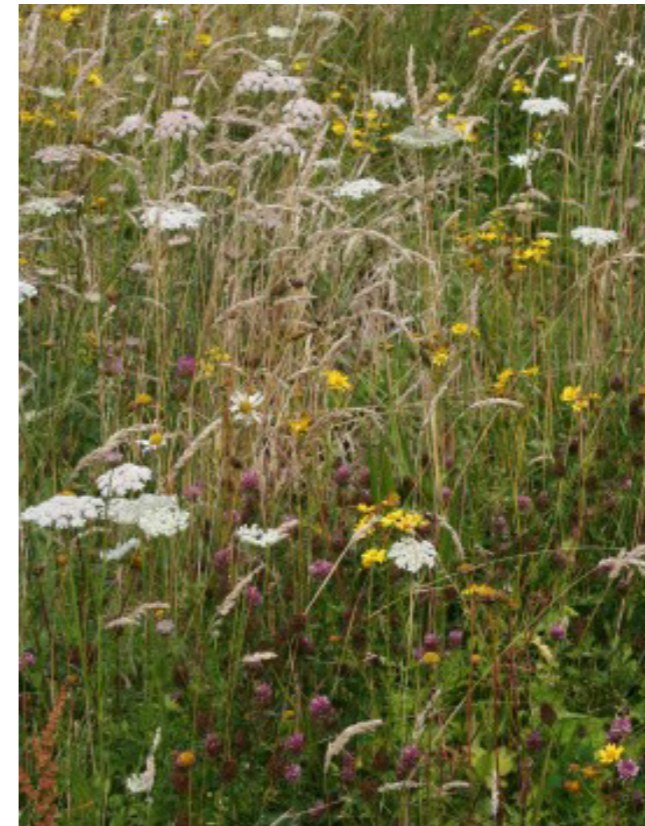


Cowslip

Native Grasses:

- Creeping Bent
- Meadow Fescue
- Red Fescue
- Timothy

- Agrostis stolonifera*
- Festuca pratensis*
- Festuca rubra*
- Phleum pratense*





## GB Spring Bulbs and grassland

The majority of the bulb species and varieties selected below are recognised as being pollinator friendly and therefore of benefit to local populations of nectar eating insects such as Bees and Butterflies.

Sow as bulbs in October through seeded verges or planting beds. Leave foliage uncut for a minimum of 3 weeks after flowering. Can be left longer if mixed with later flowering species. Remove arisings.

### Bulbs:

Shade tolerant mix of bulbs for around the base of trees:

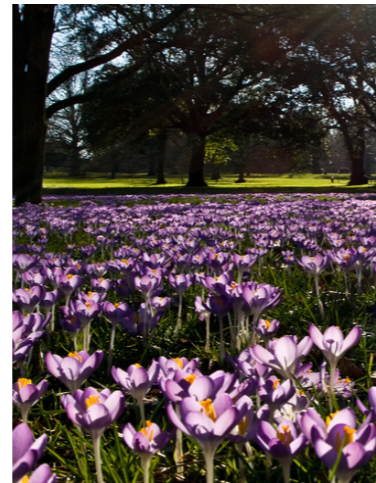
Wild Garlic	<i>Allium ursinum</i>
Wood Anemone	<i>Anemone nemerosa</i>
Snowdrop	<i>Galanthus nivalis</i>
Bluebell	<i>Hyacinthoides non scriptus</i>

### Open aspect:

Allium	<i>Allium 'Gladiator'</i> <i>Allium 'Purple Sensation'</i> <i>Allium 'Mount Everest'</i> Crocus c.vars.; white, lilac and purple
Crocus flowering varieties.	
Autumn Flowering Crocus	<i>Crocus sativus</i>
Fritillary	<i>Fritillaria meleagris</i>
Grape hyacinth	<i>Muscari armeniacum</i>
Dwarf daffodils	<i>Narcissus 'Tete a tete'</i>

### Native Grasses:

Creeping Bent	<i>Agrostis stolonifera</i>
Crested Dogstail	<i>Cynosurus cristatus</i>
Meadow Fescue	<i>Festuca pratensis</i>
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Timothy	<i>Phleum pratense</i>
Smooth Stalked Meadowgrass	<i>Poa pratensis</i>





# ait

urbanism + landscape

3rd Floor,  
Newmarket House,  
Newmarket Square,  
Dublin 8.



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Landscape  
Architect

Registered Trademark 248769 with the  
Irish Patents Office

e: [margaret@ait-place.ie](mailto:margaret@ait-place.ie)

t: (086)3263466

w: [www.ait-place.ie](http://www.ait-place.ie)