



NOTE: SUD's design proposal has been developed in collaboration with the project engineers Structural Design Solutions.

Legend

- SOFT LANDSCAPING**
- Trees**
- Cupressus arizonica 'Fastigiata'*, cg 25-30cm, 1.8m clear stem 10no.
 - Native trees**
 - Pa - *Pinus sylvestris* cg. 20-25cm, 1.5m clear stem 1no.
 - Pa - *Prunus avium*, cg 20-25cm, 1.8m clear stem 1no.
 - Bp - *Betula pendula*, cg 20-25cm, 1.8m clear stem 4no.
 - Pa - *Ilex aquifolium*, cg 100L, 1.8m clear stem 2no.
 - Pa - *Prunus padus*, cg 25-30cm, 1.8m clear stem 7no.
 - Plaza small trees**
 - Ap - *Acer palmatum 'Osakasaki'*, cg 30L 2no.
 - Native Screening mix** 302m²
 - Crataegus monogyna*, 1+1, 60-90cm, 1m², 30%
 - Corylus avellana*, 1+1, 60-90cm, 1m², 10%
 - Euonymus europaeus*, 1+1, 60-90cm, 1m², 5%
 - Ilex aquifolium*, CG 2L, 40-60cm, 1m², 10%
 - Prunus spinosa*, 1+0, 60-90cm, 1m², 5%
 - Rosa canina*, 1+1, 40-60cm, 1m², 5%
 - Salix caprea*, 0+1, 60-120cm, 1m², 5%
 - Sambucus nigra*, 1+1, 60-90cm, 1m², 5%
 - Viburnum opulus*, 1+1, 60-90cm, 1m², 5%
 - Lonicera periclymenum*, CG 2L, 1m², 10%
 - Rosa rugosa*, 1+1, 40-60cm, 1m², 5%
 - Rosa rubiginosa*, 1+1, 40-60cm, 1m², 5%

- Native Hedgerow** 31lin.m
- Crataegus monogyna*, 1+1, 60-90cm, 4lin.m, 45%
 - Ilex aquifolium*, CG 2L, 40-60cm, 4lin.m, 35%
 - Prunus spinosa*, 1+0, 60-90cm, 4lin.m, 20%
- Hedgerow**
- Pittosporum tenuifolium 'Irene Paterson'*, cg 20L, 3/lin.m (19 lin.m) 54no.
- Climber**
- Hedera helix*, cg 2L, 1/lin.m (31 lin.m) 31no.
- Scrub**
- Pm - *Pinus mugo 'Dwarf Mountain Pine'*, cg 30L 5no.
- Low maintenance groundcover mix** 98m²
- Erica cinerea 'Pallida'*, cg 2L, 4m², 15%
 - Lavandula angustifolia*, cg 2L, 3m², 15%
 - Hebe 'Celebration'*, cg 2L, 4m², 15%
 - Cotoneaster dammeri 'Eichholz'*, cg 2L, 3m², 15%
 - Juniperus repanda 'Green Carpet'*, cg 2L, 4m², 15%
 - Geranium 'Rozanne'*, cg 2L, 4m², 15%
 - Hypericum 'hidcote'*, 2L, 2m², 10%
- Plaza groundcover mix** 47m²
- Pennisetum alopecuroides 'Hamelin'* cg 2L, 4 plants/m², 20%
 - Alchemilla erythropoda* cg 2L, 6 plants/m², 20%
 - Heuchera 'Green Spice'* cg 2L, 3 plants/m², 20%
 - Euonymus fortunei 'Emerald gaiety'* cg 2L, 4 plants/m², 20%
 - Libertia grandiflora* cg 2L, 2.5 plants/m², 20%
- Grass seeding** 82m²
- Premium Ryegrass Fescue**
 - Esquire (Dwarf perennial ryegrass) 20%; Turfgold (Dwarf perennial ryegrass) 25%; Platinum (Dwarf perennial ryegrass) 25%; Trophy (Chewings Fescue) 10%; Maxima (Strong Creeping Red Fescue) 20%; Sowing Rate: 35g/m²

- Rain garden mix (climate change measures)** 170m²
- Butomus umbellatus*, Flowering Rush, cg 2L, 3/m², 15%
 - Iris pseudacorus*, Yellow Flag Iris, cg 2L, 3/m², 10%
 - Deschampsia cespitosa*, Tufted hair grass, cg 2L, 3/m², 15%
 - Carex diuvula*, Grey Sedge, cg 2L, 3/m², 10%
 - Molinia caerulea*, Purple moor grass, cg 2L, 3/m², 15%
 - Lysimachia vulgaris*, Yellow Loosestrife, cg 2L, 3/m², 10%
 - Lythrum salicaria*, Purple Loosestrife, cg 2L, 4/m², 10%
 - Primula veris*, Cowslip, cg 2L, 4/m², 15%
- Riparian mix (climate change measures)** 179m²
- Molinia caerulea*, Purple moor grass, cg 2L, 3/m², 20%
 - Leucanthemum vulgare*, Oxeye Daisy, cg 2L, 3/m², 15%
 - Lysimachia vulgaris*, Yellow Loosestrife, cg 2L, 3/m², 17%
 - Lythrum salicaria*, Purple Loosestrife, cg 2L, 3/m², 15%
 - Primula veris*, Cowslip, cg 2L, 3/m², 17%
 - Deschampsia cespitosa*, Tufted hair grass, cg 2L, 3/m², 16%
- Traditional Irish Native Wildflower Mix** 106m²
- Sown at 2g/m²
- Species List: Birdfoot Trefoil, Bush Vetch, Corn Marigold, Corn Poppy, Corncockle, Cowslip, Meadow Buttercup, Field Scabious, Eyebright, Mullein, Ox-eye Daisy, Hawksbit, Red Bartsia, Red Campion, Red Clover, St Johnswort, Wild Carrot, Yarrow, Yellow Rattle, Species in small quantities: White Campion, Feverfew, Cornflower, Scentless Mayweed, Birdfoot Trefoil, Purple Loosestrife, White Bedstraw, Ragged Robin, Selfheal, Yellow Agrimony by Connecting to Nature or equivalent
- Stockholm tree pit root area (3000x2000m²)** 11no.
- If planting outside the dormant or rootball season (November - April approx) container grown trees must be used

- HARD LANDSCAPING**
- Lidl standard concrete block paving (silver colour) 574m²
 - Lidl standard footpath concrete paving 161m²
 - Resin bound permeable paving (grey colour) 73m²
 - Kilsaran Trinity block paving, silver colour (crossing road area) 328m² (119m²)
 - Pre cast concrete kerb (100mm) 209 lin.m
 - Metal kerb 8mm raised 150mm 51lin.m
 - Hartecast stainless steel bollard (900mm high. Socket mounted as per manufacturer's instruction) 17no.
 - Hartecast HC 1200 tree grille to paved areas (crossing road area) 2no.
 - Blister tactile paving 11no.
 - Bio-engineering retaining structure: gabion wall 116 lin.m
 - Wood bench 3no.
 - Ornamental rocks 3no.
 - 1FF Schwegler Bat Boxes 3no.
 - Bird Boxes
 - BB1= 1SP Schwegler Sparrow Terrace 15no.
 - BB2= 1B Schwegler Nest Box 3no.
 - BB3= 2H Schwegler Robin Box 3no.
 - BB4= 2M Schwegler Nest Box 3no.
 - BB5= 2GR Schwegler Nest Box (also includes a bat box) 3no.

Planning standards

Landscape Design completed with reference to the following guidance and standards:

- Guidance of the Centre for Excellence in Universal Design with regard to universal access requirements.
- Building Regulations, part M.
- Urban Design Manual - A Best Practice Guide, Department of Environment Health and Local Government publication
- Retail Design Manual, Department of Arts Heritage and the Gaeltacht publication
- Buildings for everyone-A Universal Design Approach, National Disability Authority publication
- Planning for Watercourses in urban Environments, Guideline developed by Shannon regional Fisheries Board
- All Ireland Pollinator Plan
- Advise notes issued from the Irish Landscape Institute

Mood Board

A - *Cupressus arizonica 'Fastigiata'* cylinder head; B - Trinity paving silver colour; C - Metal kerb; D - Bench;

Client:	Lidl GmbH
Project title:	Lidl Newcastle
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