

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

Legend

	Site boundary
	Engineer proposed levels
SOFT LANDSCAPING	
Trees	
	<i>Cupressus arizonica</i> 'Fastigiata', cg, 25-30cmg Cylinder head, 1.8m clear stem
Native trees	
	Pa - <i>Pinus sylvestris</i> cg, 20-25cmg, 1.5m clear stem
	Pa - <i>Pinus avium</i> , cg 20-25cmg, 1.8m clear stem
	Bp - <i>Betula pendula</i> , cg 20-25cmg, 1.8m clear stem
	1a - <i>Ilex aquifolium</i> , cg 100L, rhd
	Pp - <i>Prunus padus</i> , cg 25-30cmg
	Open unpruned crown
Plaza small trees	
	Ap - <i>Acer palmatum</i> 'Osakuski', cg 30L
Native Screening mix	
	<i>Crataegus monogyna</i> , 1+1, 60-90cm, 1m ² , 15%
	<i>Corylus avellana</i> , 1+1, 60-90cm, 1m ² , 10%
	<i>Euonymus europaeus</i> , 1+1, 60-90cm, 1m ² , 5%
	<i>Ilex aquifolium</i> , CG 2L, 40-60cm, 1m ² , 20%
	<i>Prunus spinosa</i> , 1+0, 60-90cm, 1m ² , 5%
	<i>Rosa canina</i> , 1+1, 40-60cm, 1m ² , 5%
	<i>Salix caprea</i> , 0+1, 60-120cm, 1m ² , 5%
	<i>Sambucus nigra</i> , 1+1, 60-90cm, 1m ² , 5%
	<i>Viburnum opulus</i> , 1+1, 60-90cm, 1m ² , 5%
	<i>Cornus sanguinea</i> , 0+1, 40-60cm, 1m ² , 5%
	<i>Lonicera periclymenum</i> , CG 2L, 1m ² , 5%
	<i>Ligustrum vulgare</i> , 1+0, 60-90cm, 1m ² , 20%

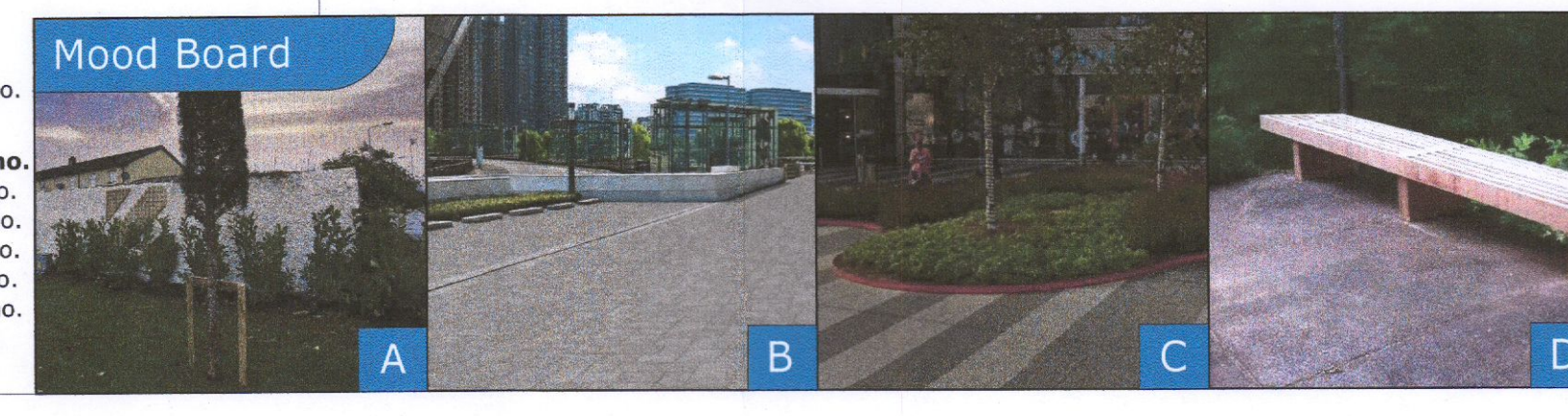
Native Hedgerow		49lin.m
	<i>Crataegus monogyna</i> , 1+1, 60-90cm, 4lin.m, 45%	88no.
	<i>Ilex aquifolium</i> , CG 2L, 40-60cm, 4lin.m, 35%	69no.
	<i>Prunus spinosa</i> , 1+0, 60-90cm, 4lin.m, 20%	39no.
Hedgerow		
	<i>Pittosporum tenuifolium</i> 'Irene Paterson', cg 20L, 3/lin.m (18 lin.m)	54no.
Climber		
	<i>Hedera helix</i> , cg 2L, 1/lin.m (17 lin.m)	18no.
Scrub		
	Pm - <i>Pinus mugo</i> 'Dwarf Mountain Pine', cg 30L	5no.
Low maintenance groundcover mix		113m²
	<i>Erica cinerea</i> 'Pallida', cg 2L, 4/m ² , 15%	61no.
	<i>Lavandula angustifolia</i> , cg 2L, 3/m ² , 15%	46no.
	<i>Hebe</i> 'Celebration', cg 2L, 4/m ² , 15%	61no.
	<i>Cotoneaster dammeri</i> 'Eichholz', cg 2L, 3/m ² , 15%	46no.
	<i>Juniperus repanda</i> 'Green Carpet', cg 2L, 4/m ² , 15%	61no.
	<i>Geranium</i> 'Rozanne', cg 2L, 4/m ² , 15%	61no.
	<i>Hypericum</i> 'Hidcote', 2L, 2/m ² , 10%	10no.
Plaza groundcover mix		46m²
	20% <i>Pennisetum alopecuroides</i> 'Hamelin' cg 2L, 4/m ²	36no.
	20% <i>Alchemilla erythropoda</i> cg 2L, 6/m ²	55no.
	20% <i>Heuchera</i> 'Green Spice' cg 2L, 3/m ²	27no.
	20% <i>Euonymus fortunei</i> 'Emerald gaiety' cg 2L, 4/m ²	36no.
	20% <i>Libertia grandiflora</i> cg 2L, 2.5 plants/m ²	23no.
	Grass seeding	65m ²
Premium Ryegrass Fescue		
	Esquire (Dwarf perennial rye grass) 20%; Turfgold (Dwarf perennial rye grass) 25%; Platinum (Dwarf perennial rye grass) 25%; Trophy (Chewings Fescue) 10%; Maxima (Strong Creeping Red Fescue) 20%; Sowing Rate: 35g/m ²	

Rain garden mix (climate change measures)		126m²
	<i>Butomus umbellatus</i> , Flowering Rush, cg 2L, 3/m ² , 15%	56no.
	<i>Iris pseudacorus</i> , Yellow Flag Iris, cg 2L, 3/m ² , 10%	37no.
	<i>Deschampsia cespitosa</i> , Tufted hair grass, cg 2L, 3/m ² , 15%	56no.
	<i>Carex divisa</i> , Grey Sedge, cg 2L, 3/m ² , 10%	37no.
	<i>Molinia caerulea</i> , Purple moor grass, cg 2L, 3/m ² , 15%	56no.
	<i>Lysimachia vulgaris</i> , Yellow Loosestrife, cg 2L, 3/m ² , 10%	37no.
	<i>Lythrum salicaria</i> , Purple Loosestrife, cg 2L, 4/m ² , 10%	50no.
	<i>Primula veris</i> , Cowslip, cg 2L, 4/m ² , 15%	74no.
Riparian mix (climate change measures)		629m²
	<i>Molinia caerulea</i> , Purple moor grass, cg 2L, 3/m ² , 20%	379no.
	<i>Leucanthemum vulgare</i> , Ox-eye Daisy, cg 2L, 3/m ² , 15%	284no.
	<i>Lysimachia vulgaris</i> , Yellow Loosestrife, cg 2L, 3/m ² , 17%	322no.
	<i>Lythrum salicaria</i> , Purple Loosestrife, cg 2L, 3/m ² , 15%	284no.
	<i>Primula veris</i> , Cowslip, cg 2L, 3/m ² , 17%	322no.
	<i>Deschampsia cespitosa</i> , Tufted hair grass, cg 2L, 3/m ² , 16%	303no.
Traditional Irish Native Wildflower Mix		100m²
	Sown at 2g/m ²	
	Species List: Birdfoot Trefoil, Bush Vetch, Corn Marigold, Corn Poppy, Corncockle, Cowslip, Meadow Buttercup, Field Scabious, Kidney Vetch, Lady's Bedstraw, Lesser Knapweed, Marjoram, Eyebright, Mullein, Ox-eye Daisy, Hawkbit, Red Bartsia, Red Campion, Red Clover, St Johnswort, Wild Carrot, Yarrow, Yellow Rattle, Species in small quantities: White Campion, Feverfew, Cornflower, Scentsill Mayweed, Birdfoot Trefoil, Purple Loosestrife, White Bedstraw, Ragged Robin, Selfheal, Yellow Agrimony by Connecting to Nature or equivalent	
	Stockholm tree pit root area (3000x2000m ²)	10no.

HARD LANDSCAPING

	Lidl standard concrete block paving (silver colour)	509m ²
	Lidl standard footpath concrete paving	74m ²
	Resin bound permeable paving (grey colour)	91m ²
	Kilsaran Trinity block paving, silver colour (crossing road area)	346m ² (103m ²)
	Pre cast concrete kerb (100mm)	210 lin.m
	Metal kerb 8mm raised 150mm	53lin.m
	Hartcast stainless steel bollard (900mm high). Socket mounted as per manufacturer's instruction	17no.
	Hartcast HC 1200 tree grille to paved areas	2no.
	Trees in paving to receive underground guying	10no.
	Blister tactile paving	3no.
	Wood bench	3no.
	Ornamental rocks	
	1FF Schwegler Bat Boxes	3 no.
	Bird Boxes	15 no.
	BB1= 1SP Schwegler Sparrow Terrace	3 no.
	BB2= 1B Schwegler Nest Box	3 no.
	BB3= 2H Schwegler Robin Box	3 no.
	BB4= 2M Schwegler Nest Box	3 no.
	BB5= 2GR Schwegler Nest Box (also includes a bat box)	3 no.

	Proposed retaining wall boundary (engineer specification)	106lin.m
	Proposed 2m high boundary wall, brick finish to inside with render finish to Lidl side (engineer specification)	14.5lin.m
	Ramp system walls (engineer specification)	139lin.m
Planning standards		
Landscape Design completed with reference to the following guidance and standards:		
<ul style="list-style-type: none"> - 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 Heritage and Local Government publication - Retail Design Manual, Department of Arts Heritage and the Gealtacht 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 		
A - <i>Cupressus arizonica</i> 'Fastigiata' cylinder head; B - Trinity paving silver colour; C - Metal kerb; D - Bench;		



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Client:	Lidl GmbH
Project title:	Lidl Newcastle
Drawing title:	Landscape Plan with overlap proposed infrastructures
Drawn by:	CM
Scale:	1:250 on A1
Approved by:	TA
Date:	May 2022
Status:	Planning
Drawing no:	077622_LP_02
Revision:	E