TREE PLANTING SCHEDULE
The scheme will install 742 no. semi-mature and advanced trees along with a diverse array of pollinator shrubs, damp meadow and wildflower species. 70% of the trees will be native species, with 30% acclimatised species for use in difficult urban conditions where our native trees would perform poorly. (Green dot ● denotes a native specie)

AMENITY TREES (304 no.)

Abbrev	No.	Tree Name
●AG1	4	Alnus glutinosa (Alder, 12-14cm girth)
AC	16	Acer campestre 'Elsrijk' (Field Maple, 20-25cm girth)
AP1	8	Acer platanoides 'Emerald Queen' (Norway Maple, 14-16cm)
AP2	6	Acer pseudoplatanus 'Negenia' (Golden Sycamore, 14-16cm)
● BP1	40	Betula pendula (Silver Birch, 8-10cm)
● BP2	50	Betula pubescens (Downy Birch, 8-10cm)
CB	12	Carpinus betulus 'Fastigiata' (Fastigiate Hornbeam, 12-14cm)
CS	2	Castanea sativa (Sweet Chestnut, 18-20cm)
●CM1	4	Crataegus monogyna (Hawthorn, 12-14cm specimen)
FS	6	Fagus sylvatica (Beech, 16-18cm)
● MD	25	Malus domestica (Irish Heritage Apple trees, MM106 rootstock)
●MS1	12	Malus sylvestris (Flowering Crabapple, 10-12cm)
NA	2	Nothofagus antartica (Arctic Beech, 12-14cm)
PO	3	Plantanus orientalis 'Minaret' (Plane, 20-25cm)
● PS1	10	Pinus sylvestris (Scots Pine, 125/150cm ht.)
● PA1	20	Prunus avium (Wild Cherry, 10-12cm)
QC	5	Quercus cerris (Turkey Oak, 12-14cm)
●QR1	8	Quercus robur (Pedunculate Oak, 20-25cm)
●QR2	16	Quercus robur (Pedunculate Oak, 12-14cm)
● SA	16	Sorbus aucuparia (Rowan, 10-12cm)
● TB	6	Taxus baccata (Yew, 100/125cm ht.)
TC	15	Tilia cordata 'Greenspire' (Small-Leaved Lime, 12-14cm)
UH	24	Ulmus hollandica 'Dodoens' (Elm, 14-16cm)

URBAN WOODLAND TREE CLUSTERS (438 no.)

Abbrev	No.	Tree Name
● AG2	10	Alnus glutinosa (Alder, 8-10cm)
● BP2	24	Betula pubescens (Downy Birch, 8-10cm)
● CA	22	Corylus avellana (Hazel, 100/125cm ht., feathered)
●CM2	70	Crataegus monogyna (Hawthorn, 150/175cm ht., feathered)
● IA	158	Ilex aquifolium (Common Holly, 30/40cm rootballs)
●MS2	15	Malus sylvestris (Flowering Crabapple, 8-10cm)
● PS2	12	Pinus sylvestris (Scots Pine, 100/125cm ht.)
● PA2	20	Prunus avium (Native Cherry, 6-8cm)
● PSP	57	Prunus spinosa (Blackthorn, 150/175cm ht., feathered)
● QP	15	Quercus petraea (Sessile Oak, 6-8cm)
● QR3	20	Quercus robur (Pedunculate Oak, 8-10cm)
● SC	15	Salix caprea (Goat Willow, 200/250cm ht.)

URBAN WOODLAND UNDERSTOREY (900 sq.m.)
The 4 no. Urban Woodland tree lines and clusters will also receive understorey planting at a rate of 2 no. plants per sq.m. and will also be 100% native. The intent is to create a habitat to enhance coverage and feeding opportunities for urban fauna. Understorey plants include:
Euonymus europaeus (Spindle), Hedera hibernica (Ivy), Hyacinthoides non-scripta (Bluebell bulbs), Ilex aquifolium (Holly), Lonicera periclymenum (Honeysuckle), Polypodium and Polystichum species (Mixed Ferns), Sambucus nigra (Elder) and Viburnum opulus (Guelder Rose).

FORAGING CORRIDOR (85 lin.m.)
The western boundary along the Water Treatment Facility will be regenerated as a Foraging Corridor to replace the low quality hedgerow. This will be focused on flower and fruit producing plants, which will benefit both humans and fauna. It includes the following species:
Elder (Sambucus nigra), Sloe/Blackthorn (Prunus spinosa), Red Currants (Ribes rubrum), Blackberries (Rubus fruticosus) and Wild Garlic (Allium ursinum) at ground level.

BIODIVERSITY SWALES (600 sq.m.)
SuDS measures have been incorporated into the landscape where a percentage of surface water runoff is captured within swales and attenuation areas prior to entering the stormwater system. This enables filtration, reduced flow and natural attenuation to the ground water table. The swales will be seeded with a Clover and grass mix for quick establishment and sediment control, while allowing the natural seed bank to emerge (using topsoil salvaged from site). The dominant species in this seed bank will be Sedges (Carex species) and Creeping Buttercup (Ranunculus repens). These will then be supplemented with the following native damp-meadow species:
Achillea millefolium (Yarrow), Ajuga reptans (Bugle), Iris pseudacorus (Flag Iris), Lythrum salicaria (Purple Loosestrife), Mentha aquatica (Mint)

FOUNDATION SHRUBS (2,200 sq.m.)
Shrub planting meets a wide range of uses from enhancing amenity areas, providing buffers to private residences and slope mitigation. These are resolved using shrubs with two primary features. One, they must be robust and two, they must have a high pollinator value. Soil pH is likely to be mildly alkaline. The palette is a mix of native shrubs and flowering shrubs, with the majority included in the *All-Ireland Pollinator Plan* guidelines for bees and insects:
Arbutus unedo (native Strawberry tree), Erica carnea and darleyensis (Winter Heath), Cytisus scoparius (Broom), Erysimum (Wallflower), mixed Hebe species, Hydrangea macrophylla (Hydrangea), Hypericum 'Hidcote' (St. John's Wort), Ilex aquifolium (Holly), Lavandula 'Hidcote' (Lavender), Ligustrum vulgare (native Privet), Elaeagnus ebbingei (Hedging), Mahonia aquifolium, Polystichum species (Shield Ferns), Rosa canina (Dog Rose), Rosmarinus officinalis (Rosemary), Salvia nemrosa (Purple Sage), Thymus vulgaris (Thyme), Viburnum tinus (Lauristinus); winter/spring bulbs (Crocus, Snowdrops, Grape Hyacinth); summer bulbs (Allium)

GRAPHIC LEGEND

- CIS concrete footpath with grass verge, adjacent to tarmac road
- Cul-de-sac Home Zone; tarmac with topseeded colour chip (beige)
- Driveways; select coloured concrete unit pavers with planting bed division (orange dot = pole light)
- Mews; select coloured concrete unit pavers with heavy vehicle tolerance, planting beds
- Site furnishings (seat benches, picnic tables, platform benches)
- Existing trees retained
- Proposed tree planting
- Foundation shrub planting; dark = flowering evergreens, light = flowering perennials
- Evergreen flowering shrubs with high pollinator value
- Grass lawns; dark = sloping ground, light = level ground
- (e) and (p) Existing and Proposed

Footpath and road terminate at existing boundary ditch, dropped kerb to allow for accessibility
Amenity space for adjacent houses includes 200 sq.m. level grass area with SuDS attenuation zone at front corner to filter and attenuate adjacent cul-de-sac surfacewater, typically presented as a damp meadow
Low stone wall adj. to public footpath as edge to new hedgerow; 235 lin.m., 0.6m high, local stone sourced; vegetation kept 10m back from corners for visibility; refer dwgs. L209-210
Tactile paving at all road crossings, dropped kerbs where there is no raised table; refer Eng dwgs. for road markings
Linear SuDS feature to filter and attenuate adjacent cul-de-sac surfacewater; refer Eng. dwgs.
(p) Biodiversity link along north boundary, 195 lin.m. 100% native mix; designed as low flowering and fruiting hedgerow; supplemented with Ivy and bulbs (Bluebells, Crocus) at ground level:
40 no. CM2 128 no. IA
5 no. MS2 20 no. PSP
Block walls to public road, capped and rendered, 2.0m high typ.; refer Arch dwgs. P-1107 and P-1108 for full extents
Bike parking on conc. pads typ.; refer Arch dwgs. P-1111 and P-1112
The Steeples (under construction)
Level grass amenity to front of houses for good secondary supervision, 300 sq.m.
SuDS feature to filter and attenuate adjacent cul-de-sac surfacewater; separated habitat feature to gable ends of houses
Amenity no. 1 - North Orchard Walk
7 no. heritage apple trees
1 no. seat bench (1.8m, composite)
300 sq.m. wildflower meadow
Footpath link allows local loop walk without crossing a road
Cul-de-sacs designed as Home Zones as pedestrian priority areas and shared surfacing; tarmac with coloured chip (beige)
Level grass amenity to front of houses for good secondary supervision, 400 sq.m.
Amenity no. 2 - Northern Hilltop
850 sq.m. space with biodiversity framework
320 sq.m. level amenity lawn
80 sq.m. play area w/ 3 no. swings for varying ages (toddler buckets, youth open seats, nest basket)
Separate amenity path laid to coloured concrete
1 no. seat bench
(e) boundary ditch, scrub planting and post and wire fence retained as-is
Mews Courtyard - Shared surface Home Zone laid to select coloured concrete unit pavers with kerbed planting beds
Amenity no. 3 - Central Terrace
100 sq.m. level amenity lawn w/ 2x5m accessible platform bench
Orchard w/ 7 no. heritage apple trees
250 sq.m. lawn and SuDS habitat w/ 1x2m accessible platform bench
250 sq.m. level pitch w/ drainage and junior soccer goal
Rear gardens laid to grass, separated by 1.8m high timber panel fences, typ.
Apartment forecourt laid to select concrete unit pavers to kerb line as transition to northern half of estate
(e) Ditch cleared 1m back from end of (e) fence to ensure clear sightlines
(e) Water Treatment facility access improved with pedestrian crossing; refer dwg. L207
(p) Footpath utilises (e) kerb; no changes to kerb/road
(e) 1.8m wide concrete footpath with street lighting
4 no. (e) gaps in ditch infilled with soil to form contiguous ditch and planted with Hawthorn and Blackthorn whips
Amenity no. 4 - Lateral Spine
700 sq.m. level amenity lawn
170 sq.m. level grass kickabout
Accessible social circle w/ arbor, seat bench and 2 no. picnic tables
Accessible ramp w/ 3 no. benches
500 sq.m. pollinator Heather beds
Trees to fronts of houses are all small stature species (<5m mature), typ.; in a roughly equal mix of the following:
Crabapple, Wild Cherry and Rowan
Midleton Water Treatment Facility
Upper grass terrace amenity with good views, 275 sq.m.; guardrail fence along top of wall, 1.1m high
Native woodland node on slope
3 no. AG1 3 no. BP1
7 no. CA 7 no. PSP
Retaining wall through central amenity, refer Eng dwgs.
(e) Weld mesh fence to perimeter of facility retained as-is (green Paladin, 2.0m high)
Amenity no. 9 - Foraging Corridor
refer dwgs. L207-208
85 lin.m. of local plant species with edible parts for public use
1 no. Interpretive sign
Floor of tree avenue and woodland cluster planted with native Ivy and bulbs (Bluebells, Hyacinths) for a 200mm high groundcover; biodiversity, weed suppression and clear visibility through
(p) Woodland cluster behind avenue trees, 100% native (Oak, Alder, Crabapple, Hawthorn, Willow)
3 no. QR3 3 no. CA
6 no. PSP 9 no. IA
Start of Foraging Corridor, interpretive signage
Immature mixed native tree buffer installed on adj. ownership lands
Amenity no. 5 - Lower Central Garden
4 no. terraces of Birch trees and Heather option for steps or accessible 1:21 path
320 sq.m. level amenity lawn
1 no. seat bench (1.8m, composite)
6 no. BP1
12 no. BP2
Potential future link to Blossomhill amenity path
Filter drain to south side of pitch, discharge to adj. swale
Amenity no. 6 - Southeast Pitch
320 sq.m. level amenity pitch (8x40m)
1.2m safety fence to 3 sides
Hebe shrub buffer to road
(e) Weld mesh fence retained as-is (green Paladin, 2.0m high)
House forecourts laid to select coloured concrete unit pavers and ornamental planting bands separating properties; sim. to completed Blossomhill estate (south of site boundary)
Avenue trees @ 8m ctr
3 no. AC
2 no. AP2
5 no. UH
Block walls to public road, capped and dashed, 2.0m high
11 no. BP1
5m services gap
Filter trench to edge of road
Raised table pedestrian crossing and speed control; tactile paving at all crossing points, typ.
This ESB substation clad with stone
Footpaths along entry drive offset from road by 1m grass verge
Footpath link to Blossomhill estate
Winter flowering Heather on sloping ground
Amenity no. 7 - Duplex Social Green
800 sq.m. amenity lawn (85% level)
2 no. seat benches (1.8m, composite)
2 no. accessible picnic tables flanked by pollinator Heather
(p) Biodiversity link along south boundary, 340 lin.m. 100% native mix; trees below plus an additional 350 no. whips as infill - Spindle and Guelder Rose
6 no. AG2 20 no. IA 24 no. PSP
16 no. BP2 5 no. MS2 15 no. QP
12 no. CA 8 no. PS2 17 no. QR3
22 no. CM2 20 no. PA2 5 no. SC
House forecourts laid to select coloured concrete unit pavers and ornamental planting bands separating properties; sim. to completed Blossomhill estate (south of site boundary)
Blossom Hill estate (developed by applicant)
Amenity no. 8 - South Orchard Walk
10 no. heritage apple trees
2 no. seat benches (1.8m, composite)
300 sq.m. wildflower meadow
Evergreen hedge, 33 lin.m., 1.8m high
(p) Woodland buster to south boundary, 100% native (Oak, Alder, Birch, Hawthorn, Scots Pine, Willow)
4 no. AG2 1 no. QR2
9 no. BP2 4 no. PS2
3 no. CM2 5 no. SC
Filter trench to edge of road
Weld mesh Palidan fence to boundary, colour Green 1.8m high
(e) Trees retained, refer L205
(p) Woodland cluster, 100% native (Oak, Alder, Crabapple, Hawthorn, Willow)
1 no. AG1 1 no. QR1
5 no. MS2 5 no. CM2
5 no. SC
(e) Raised table modified, (p) footpath meets here

LANDSCAPE PROGRAMME OF IMPLEMENTATION

1. Prior to commencement of construction, install tree protection fencing as indicated on drawing L205.
2. Remove topsoil (upper 400mm of soil) from all built areas and stockpile for later use. Remove soil only one phase at a time. Do not drive vehicles or store machinery on reserved soil.
3. Upon completion of each phase, install all proposed trees and shrubs during the first available planting season (Nov-Mar). Stake all trees.
4. Once ancillary open space areas are free from future construction traffic, finish with topsoil and fine grade. Install seed with a mix of Irish grass seed and clover for quick establishment and silt control.
5. Implement a programme of aftercare for a minimum of 12 months after project completion and ensure that any dead plants or trees are replaced within the nearest planting season.
6. Ensure a maintenance regime is in place, regularly tending to the planting beds at the site entries and amenity spaces. All new and established trees are to receive annual care, optimising health and longevity.

1:750 0 5 10 15 25 50m north

REV	DATE	DRAWN	DESCRIPTION
B	08/11/23	MW	Issue for planning.
A	19/10/23	MW	Issue for team review.

Notes:
1. For site layout, roadway details, retaining walls and site lighting refer Architecture and Engineering drawings.
2. Greater detail to amenity areas are shown on drawings L209-L215 with areas indicated on plan above.

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Job no.	Drawn by	Scale	Date	Status	Revision
2220	MW	1:750 @A1	08.NOV.2023	PLANNING	B

Job Title: PROPOSED RESIDENTIAL DEVELOPMENT BROOMFIELD, MIDLETON, CO. CORK
Client: CASTLEROCK HOMES (MIDLETON) LTD.
Drawing Set: LANDSCAPE DEVELOPMENT PACKAGE
Drawing Title: LANDSCAPE MASTERPLAN
Drawing No.: L206