

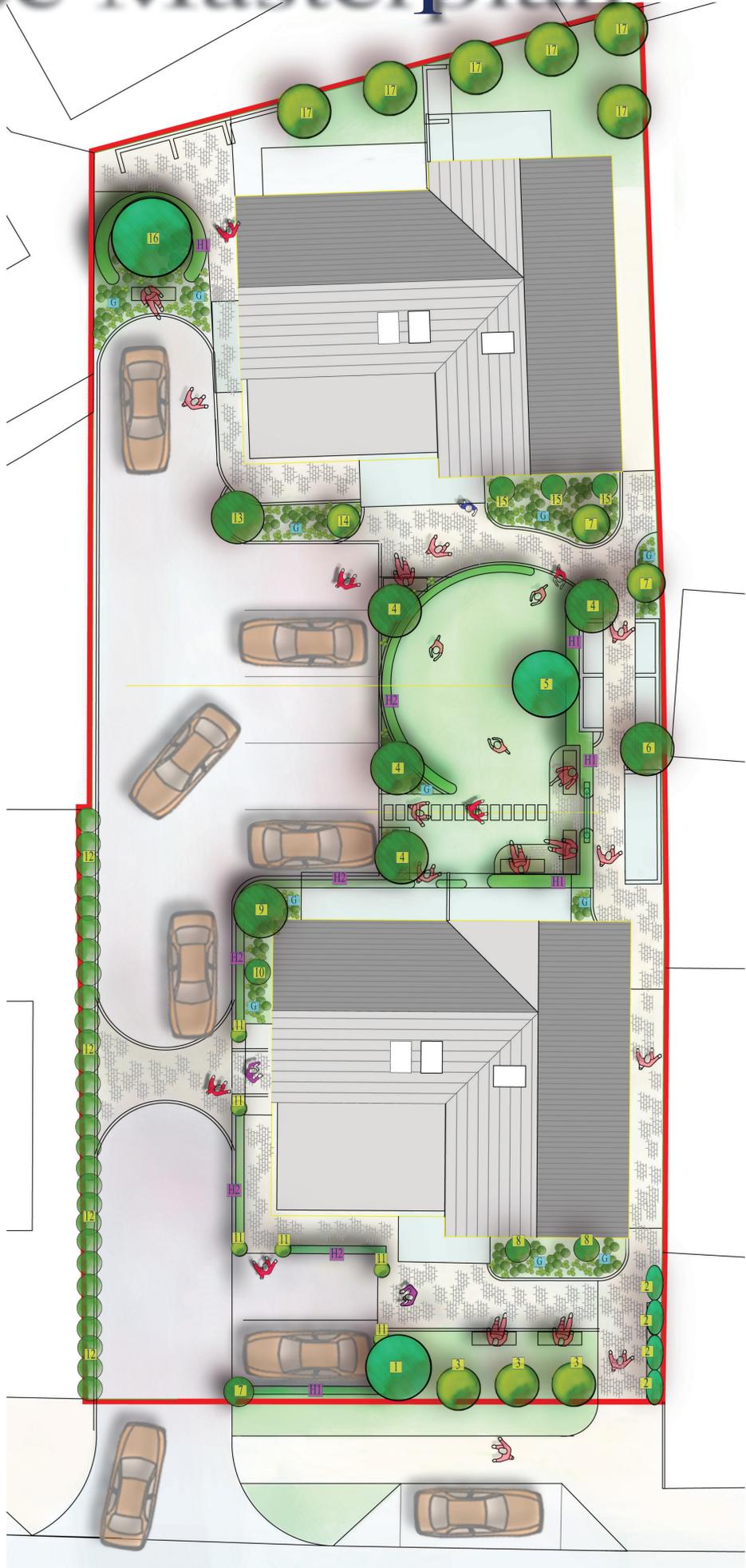
# Landscape Masterplan



Residential Development, Athgarvan rd., Newbridge, Co. Kildare

## Objectives :

- The principal objectives of the landscape proposals are :
  - To create a layout which provides a modern visually and aesthetically pleasing context for the buildings to sit into, which creates a distinct character, and forms an exterior apron to the proposed buildings designed to a high standard.
  - To provide a principal green open space which is flexible and caters for a number of informal uses within the limited confines of the site.
  - To frame and visually soften the frontage of the development to ensure that the proposed units and infrastructure are visually softened with greenery and integrated into pleasant surrounds.
  - To create a pleasant soft edge to the Athgarvan road, primarily through the placement of a sweeping footpath entrance, Buxus hedging and trees of upright growth habit.
- The aim is that the landscape design will compliment and positively reinforce the character of the development.
- The key elements in the attached plan are :
  - The perimeters of the development are visually softened where possible to ensure that the proposed units and infrastructure are visually softened with greenery and integrated into pleasant surrounds.
  - The car parking and separation between the open space consists of a Portuguese laurel hedge division for separation, with defined entry points.
  - Trees of upright growth habit are placed at key points around the perimeters of the open space, along the open space frontage, and at the corners of the buildings in order to soften and provide vertical greenery to the facades of the buildings and provide a pleasant approach for residents and visitors.
  - A number of key focal point trees are positioned in the open space areas which form key focal point features to add focus and maturity and to visually soften the height of the buildings.
  - The main open space forms a central informal relaxation / kick-about area. Children playing can be passively supervised from the adjacent buildings and seating area. Mid sized (1.2metre) evergreen hedge planting softens the perimeters to provide partial spatial definition and aids in defining the central use zone and separation from the car parking areas and semiprivate space of ground floor units.
  - Space for planting along the road access is limited. In order to maximise the presentation of this space, it is proposed to plant adjacent to the buildings to visually unify the roadside appearance with informal drifts of perennial and colourful planting adjacent to the buildings and pathways.
  - The reception areas at front doors are defined with quality paved surfaces, which in turn are framed with low planting. At the front of the units the textural contrast between the building facade brick / render and adjacent paving and planting defines each unit's entrance space for a high quality and refined appearance to the development.
  - A mid sized Portuguese hedge is used to screen bin stores and bicycle storage, and low hedging partly encloses the private ground floor spaces to provide shelter and partial privacy, with defined access points to the open space.
  - At intervals along the rear private spaces, medium sized light foliage trees are selected for their neat and manageable growth form and habit to provide vertical emphasis adjacent to the rear boundary.
  - The boundary wall to the south of the access road will be planted with a climbers and a range of softening plantings to create a vertical greenery at the boundary wall.
  - Symmetrically placed light foliage trees between the open space and the parking will frame and provide structure and buffering to the open space area.
  - Fastigate trees are used extensively to enhance the vertical scale of the buildings - eg. Sorbus thuringiaca fastigiata, an upright growing slender tree.
  - Amelanchier Obelisk, and upright compact form small tree is used for areas closer to the building and where space is limited.
  - Mid size focal point upright specimens to define corners of green areas. Slim and compact growing Sorbus thuringiaca fastigiata
  - Secondary specimens such as clipped Holly- Ilex JC van Tol, to punctuate building rhythm and differentiate between individual units, and to define access pathways.
  - Alternate specimen slender clear stem narrow fastigate varieties (eg Malus Street Parade), are used in selected locations where space is limited but vertical greenery is required to assist in softening the buildings.
  - Seating is provided throughout at key areas for relaxation and passive supervision.



## PLANTING NOTES

### Tree Stock

Trees to comply with BS 3936-1 Nursery stock, and should have an upright, straight central leader and a well balanced branching head of a form and habit natural to the species. Rootballed trees shall be supplied with roots balled and securely wrapped to ensure that the soil and roots remain moist and intact until planting. Trees shall have been carefully lifted and conserving a suitable proportion of fibrous roots to aid transplanting.

### Tree Planting

To BS 8545 (2014 - from nursery to independence). Excavate Excavate planting pit to ensure a minimum depth of 600mm topsoil. Fork over the base of the pit to achieve an even till 225mm deep. Supply slow release fertiliser 16-18 month Osmocote at the rate of 30gms/pit placing plant in position and orientate to best effect. Setting root-ball to same depth as in nursery

### Stakes

Stakes shall be of peeled larch, Pine or Douglas Fir, preserved to manufacturers recommendation. Stakes shall be turned and pointed one end. For tree size 6-8 up to 10-12cm use single stake. For tree sizes 12-20cm girth sizes use two stakes with cross member. Use 2 stakes per tree set max. 500mm from tree. Stakes shall be min 1500mm \* 100mm dia. Height above ground level of 600mm. The stake is to be driven with a drive all, wooden maul, or cast iron headed mallet, not with a sledge hammer. Stakes shall be buried approx 500mm into ground.

### Tree Ties

Tree ties shall be of rubber, pvc or other suitable composition and durable enough to hold tree securely for three years. Ties will be min. 25mm wide, fitted with a buckle for adjustment. Ties to be nailed to the stake with one galvanised nail immediately behind the buckle.

## Proposed Seating :



Seating type - Hartecast HC2020S or similar approved -Dura Composite and cast ductile iron seat with stainless steel

### Note re Topsoil depths.

For grass areas generally min depth to be 250mm quality topsoil.  
For planting areas min depth to be 500mm quality topsoil.  
For advanced tree planting, min 1 x 1m pit of quality topsoil to be placed for each tree

1 - Denotes Planting Type Please refer to Planting Schedule above

## Weed Control.

All planting beds to be maintained free of weeds through regular spot treatment for the duration prior to handover. Note particular care must be exercised to avoid spray damage or drifts onto adjoining plants.

It is contractors responsibility to monitor ground conditions and weed germination and to put in place a regular treatment programme to ensure that weeds are controlled through the planting at all times.

## Irrigation

It is the contractors responsibility to ensure that all planting is adequately watered during the growing season, particularly during periods of drought or to agree with the main contractor prior to pricing the works if they or client are responsible for ongoing irrigation.

## Maintenance and Defects Liability Period

Covers a subsequent maintenance programme for an 18 month period to be agreed with main contractor prior to commencement.

The client expects the contractor to maintain all plantings in excellent condition. All works to comply with BS 4428 (General landscape operations), BS 3936 (Nursery stock) and BS 3882 (topsoil).

Physical maintenance of all work shall commence from the time of granting the contract. The maintenance will then continue for a period of 18 months as per main contractors instruction from the date of completion of the contract.

## Planting Schedule

<b>Focal Point tree at front boundary</b>		
Mid sized single focal point tree as a specimen near the entrance area		
1	Acer campestre Elzrijk	RB 16-18
<b>Pleached trees at northern boundary</b>		
Slim vertical panels to define the space and for privacy from the north		
2	Carpinus betulus (pleached 1.5m ste. 1.2 x 1.2m frame)	50L
<b>Mid size Focal point upright specimens at front boundary</b>		
Slim and compact growing flowering cherry		
3	Prunus Amanogawa	RB 14-16
<b>Matching focal point trees at corners of central Open Space</b>		
Symmetrically placed light foliage trees at open space to frame and provide structure and sense of entry to lawn kickabout area		
4	Sorbus thuringiaca Fastigiata	RB 16-18
<b>Focal point tree in centre of open space</b>		
Specimen tree placed along centreline of circular open space as a central hub offset to the rear of the open space		
5	Malus Street Parade (1.5m clear stem)	RB 18-20
<b>Trees at each end of Bin store</b>		
To visually soften the storage areas and to add greenery at height to the northern boundary		
6	Malus Lizet	RB 14-16
7	Ilex JC van tol	RB 90-120
<b>Matching specimens in front of Block 1</b>		
To provide vertical greenery and formality close to the building.		
8	Laurus nobilis	30L 150cm
<b>Planting at southern corner of Block 1</b>		
Focal point tree at corner of building and mid level specimen in planting bed		
9	Betula jacquemontii	RB 14-16
10	Ilex JC van tol	RB 90-120
<b>Focal Point Specimens at end point in hedges</b>		
11	Buxus sempervirens Cone	15L 1m

## Planting along wall to south of access road.

Planting to be selected from the following informal informal climbers and base plants (Climbers planted 1.5 metres apart)

Hedera col. Dentata Variegata (self clinging climbers on wall)	5L 80-100	1.5
Lonicera pileata	2L 30-40	0.4
Sarcococca humilis	2L 30-40	0.4
Verbena bonariensis (Interspersed randomly)	2L 30-40	0.4

Plant the following at 3 metre intervals for vertical soft texture and visual softening of boundary wall.

Phyllostachys bisetii	20L 1.8m
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## Planting to soften front of Block 2

Focal point tree at corner of building and mid level specimens in planting bed

13	Betula jacquemontii	RB 14-16
14	Ilex JC van tol	RB 90-120
15	Ligustrum pyramids	

## Specimen tree at end of access road

To terminate vista at end of access road when viewed from the entrance area

16	Acer campestre Elzrijk	RB 16-18
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## Trees along rear / western boundary

A line of light foliage trees to provide upper level greenery at the rear of block no 2.

17	Betula jacquemontii	BR 14-16
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## Hedging

To provide robust visual structure with the open space, to deter desireslines, so define and soften footpaths around buildings and parking bays, and to enhance the definition of the building apron spaces.

Midsize Hedges :

H1	Prunus lusitanica Angustifolia	RB 90-120	3/m
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Low Hedges :

H2	Buxus sempervirens	3L 40-50	3/m
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## Ornamental Planting Beds

Planting to provide greenery, biodiversity value, texture and colour. To minimise hard surface areas and provide visual softness adjacent to the buildings.

Planting to consist of informal groupings to be selected from the following :

Name	Size	Spacing (m)
Plant the following for structure at 3-6 plants per group :		
Miscanthus sin. Fern Osten (randomly interspersed)	5L 60-90	0.8
Crocosmia lucifer	3L 50-60	0.8
Hydrangea arborescens Annabelle	5L 50-60	0.8
Pittosporum Gold Ball	5L 60-90	0.8
Plant the following for structure at 6-9 plants per group :		
Groundcover carpeting :		
Viburnum davidii	2L 30-40	0.5
Lonicera pileata	2L 30-40	0.4
Sarcococca humilis	2L 30-40	0.4
Rosemarinus officinalis	2L 30-40	0.4
Halimolobos sahucii	2L 30-40	0.4
For Texture :		
Stipa Polytales	3L 30-40	0.4
Libertia caerulea	3L 30-40	0.4
Hemerocallis Red Rum	3L 30-40	0.4
Nandina domestica Obsessed	5L 50-60	0.6
Edging : (near path edges)		
Geranium Roxanne	2L 30-40	0.4
Lavandula Hidote	2L 30-40	0.4



Main pathway pavement Tobermore Sienna or similar approved.

## Paving Types :

Tobermore Sienna (see photos above) or similar approved.

External public footpaths :

Concrete finish to engineers detail.

Pedestrian Footpaths within development :

Tobermore Sienna 208 x 173mm. Colour sandstone. Border Silver

Shared Vehicular surface :

Tobermore Sienna 240 x 160mm Colour Graphite. Border Silver or optional Resin bound surface

Car Paving bays :

Optional tarmac finish or alternatively Tobermore Sienna 240 x 160mm Colour Silver. Border Graphite.

Reception paving at Individual units :

Tobermore Sienna 208 x 173mm. Colour sandstone. Border Sandstone.

## TIMING OF LANDSCAPE WORKS :

All Planting to be completed within one growing season following completion of construction work on site.

Scale 1 : 75 at A0

Project :	Apartments at Athgarvan rd., Newbridge, Co. Kildare	Client :	MCD Ltd.
Drawing No.:	21/MCD/AN/001		
Date :	August 17th, 2021	Notes :	
Drawn By :	AR		

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