

- GENERAL NOTES**
1. Indicative-only layout of existing and proposed utilities, existing water mains, services, drainage and ancillary infrastructure, as it relates to landscape. For details of same, please refer to consulting engineer's design, detail and specifications.
  2. This drawing is to be read in conjunction with all relevant architect, engineer and other specialist's drawings and specifications.
  3. All levels are in metres and relate to Main Head Ordnance Data.
  4. The site layout is based on the topographical site survey.
  5. For details of finished building and site levels, approaches to dwellings such as sloped or level access, ramps or steps, and retaining walls, please refer to architects/consulting engineers' design detail and specification.

6. This drawing has not been prepared to indicate compliance with DMURS, DAC, BCAR or Disability Access Act. All paving bedding, site-specific sub-bases, build-ups, joints, footings, foundations, joint detailing, reinforcing bar details and bolts to consulting engineer's design, detail and specification, and to BS7997.
7. Levels and falls, crossings and blister tactile surfacings, line markings etc. to consulting engineer's design detail and specification. For details of tactile paving to hazards such as steps and crossings, please refer to engineers' drawings.
8. All services access covers and underground services shall be coordinated with landscape finishes, tree pit locations and street furniture locations.
9. Services access covers to be located 100% in one finish or the other.
10. Lighting layout to be prepared by MSE consultant.



LANDSCAPE MASTERPLAN SCALE 1:500@A1

**LANDSCAPE MATERIALS - OUTLINE SPECIFICATION KEY**

Levels, boundaries, crossings, paving bedding + sub-bases, geotextiles, physical boundary details such as fencing etc to engineer and architect design detail and specification.

**EXISTING VEGETATION RETAINED (GREEN) + FELLED (RED)**  
Exclusion Zone around trees to be retained, protected with protective fencing

**EXISTING LANDSCAPE FINISH TO BE RETAINED**  
Existing landscape finish to drainage ditch to be retained as a natural drainage feature and wildlife corridor and trimmed back.

**DRAINAGE TO BASE OF ELEVATIONS**  
500mm width, 300mm depth layer of 10-20mm diameter washed and graded pebble laid on permeable 500mm strip of T1007 geotextile by Terram at base of attenuation channel/elevation, edged with pressure-treated softwood

**PAVING - IN-SITU CONCRETE FOOTPATHS**  
In-situ concrete paving with exposed aggregate finish, with slip-form straight edge treatment, saw-cut joints at 3.0m centres. To architect's design detail + spec.

**PAVING - HARD BINDING GOLDEN GRAVEL**  
1.8m with passing spaces, preferably 2.0m width 50mm compacted depth (compacted with roller, not a whisker plate) golden-coloured self-binding gravel 10mm down to dust particle size on 10mm depth bedding quarry dust on min. 100mm depth free-draining sub-base on Clause 804 hardcore. Provide slight camber to ensure that footpaths drain to adjacent planting. To architect's design detail + spec.

**ROUNDED BOULDERS + STONE PILES**  
Rounded glacial erratic granite boulders 750-1000mm diameter sunk to 300mm depth + stone piles detailed to act as amphibian hibernaculae.

**SOFT LANDSCAPE MATERIALS - OUTLINE SPECIFICATION KEY**  
Refer to Planting Details, Planting Schedule and Planting Maintenance programme.

**PLANTER BEDS GENERALLY**  
Rip subsoil to a depth of min. 75mm from finished landscape levels. Min. depth of subsoil 450mm. Calculate the planting beds to a min. depth of 400mm with three passes of a rotavator. Topsoil operators only to be carried out during favourable working conditions. No bare-root (BR) trees, transplants or hedge plants permitted outside the planting season, October-March. Work in 100mm depth multi-purpose organic compost to min. 400mm depth multi-purpose grade topsoil to SS 3883 on min. 450mm depth free-draining subsoil. Top with min. 75mm settled depth medium-grade bark mulch topping to suppress weed growth.

**PERENNIAL PLANTING - CG p9, 1L, 2L 3-9m² density**  
Moisture-tolerant perennial pollinator-friendly container-grown plants to planter beds with a diverse mix of ornamental grasses, bulbs, corms, ferns, ground-cover plants, sedums and flowering perennials of both native cultivars and exotic species to ensure a pollinator-friendly planting mix in line with the 'National Pollinator Plan'. These plants should establish quickly requiring minimised maintenance.

<b>MIX P1</b>	moisture tolerant planter strip - native perennial ferns, plants and ornamental grasses species	<b>MIX P3</b>	
<b>MIX P2</b>	bio-retention planting area with moisture tolerant plants providing a pollinator-friendly palette	<b>MIX P4</b>	

**LAWNS**  
amenity grass lawns seeded with a hard-wearing amenity non-rye grass seed mix by Calumra and mown regularly

**'ROUGH GRASS' + WILDFLOWER MEADOW**  
seeded with 'rough grass' and wildflower meadow seed mixes suitable for woodland/shade EC-03, hedgerow/semi-shade EC04, and bio-retention areas EC05, by DBM (Design By Nature/Wildflowers.ie) mown seasonally, and managed to develop as a wildflower meadow.

**DRIFTS OF BULB PLANTING**  
plug-planted with top size 5/6 bulbs e.g. Crocus vars., Galanthus nivalis, Allium ursinum, Anemone nemorosa, Hyacinthoides non-scripta.

**'H1, H2, H3' TRANSPLANTS - NEW HEDGEROWS**  
Native mix (e.g. Hawthorn, Blackthorn, Willow, Hazel, Dog Rose and Guelder Rose) and naturalised (e.g. Hornbeam) transplant hedgerows to create wildlife corridors and mature to screen views into the development site. planted in staggered rows, 4 hedging transplants per m², 1 no. climbing plant per 0.5m length. Provide min. 75mm depth, 800mm width, medium-grade bark mulch topping to reduce future weed growth at base.

**'H4' EXISTING VEGETATION - UNDER-PLANTING**  
Native hedgerow evergreen transplants Ilex aquifolium (Holly) and Taxus baccata (Yew) suitable for planting in shady locations; new transplant planting to supplement existing and mature to fill any gaps in existing hedgerow/line. Provide 75mm depth, 1200mm width, medium-grade bark mulch topping to reduce future weed growth at base.

**'W1, W2' NATIVE TRANSPLANTS - COPSE + CARR**  
Native transplant mixes suitable for good water up-take and to provide distinctive habitat and food resources for wildlife, as well as to mature to provide visual screening to the development. Provide 75mm depth, medium-grade bark mulch topping to reduce weed growth and help transplants establish easily.

**TREE PLANTING GENERALLY**  
All tree pits to be approved by Landscape Architect prior to planting. All trees to have a 2.0m ht clear stem unless otherwise specified as multi-stemmed or feathered trees, to ensure clear visibility for pedestrians. Trees triple-staked or double-staked & supplied with planting accessories as per Planting Details as per BS5837:2012 + LA's Planting Details. Root barriers to be provided to all trees within 2m of underground services, foundations or walls. Trees planted in excavated tree pits, desired pit area approx 4.0m², 1.0m depth. No services routes to be planned through tree-pits.

**SEMI-MATURE TREES**

<b>Ab</b>	Aesculus hippocastanum '4str/wrb'	30-35cm/6	0.4-5.0m ht.	
<b>SMP</b>	Salix babylonica 'Pendula'	4str/wrb'	30-35cm/6	0.4-5.0m ht.
<b>Ps</b>	Pinus sylvestris	4str/wrb'	30-35cm/6	0.4-5.0m ht.

**SEMI-MATURE TREES**

<b>QF</b>	Quercus robur 'Fastigiata'	3str/wrb'	20-25cm/5	0.5-5m ht.
<b>Ag</b>	Ailurus glutinosa	3str/wrb'	18-20cm/4	0.5-5m ht.
<b>GB</b>	Gleditsia inaequalis 'Skyline'	3str/wrb'	20-25cm/5	0.5-5m ht.
<b>LJF</b>	Liquidambar styraciflua 'Fastigiata'	3str/wrb'	20-25cm/5	0.5-5m ht.
<b>LW</b>	Liquidambar styraciflua 'Worpleston'	3str/wrb'	20-25cm/5	0.5-5m ht.

**EXTRA HEAVY STANDARD TREES**

<b>Ag</b>	Ailurus glutinosa	3str/wrb'	18-18cm/4	0.4-5m ht.
<b>Ac</b>	Acer campestre 'Starlight'	3str/wrb'	15-15cm/4	0.4-5m ht.
<b>Bp</b>	Betula pubescens	3str/wrb'	18-18cm/4	0.4-5m ht.
<b>Pt</b>	Populus tremuloides	3str/wrb'	18-20cm/4	0.4-5m ht.

**MULTI-STEMMED LARGE SHRUBS + SMALL TREES**

	1.5-2.0m ht Acer palmatum 'Kanzan' (Japanese Maple)
	1.5-2.0m ht Arbutus unedo (Strawberry Tree)
	1.5-2.0m ht Magnolia 'Kobus' (Magnolia)
	1.5-2.0m ht Nysa sylvatica (Tupelo Tree)
	1.5-2.0m ht Sympa vulgaris (Lilac)



**LANDSCAPE ARCHITECTS & CONSULTANTS**

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PROJECT	HOUSING DEVELOPMENT AT CLARA, THE ISLAND, LOWER RAHEEN, CO. DUBLIN	
CLIENT	DONAL WALSH ARCHITECTS	
JOB NO.	20_188	PLANNING REFERENCE
DRAWING	LANDSCAPE MASTERPLAN ILLUSTRATING CONSTRAINTS - FOR COMMENT	
DRAWING NO.	01	
DRAWN BY	CHECKED	DATE
J. COUGHLIN MLI	COLM KENNY MLI	13.01.2021
STATUS:	SCALE	REVISION
SKETCH LAYOUT	1:500	A

NOTES:  
All dimensions are in millimeters unless otherwise stated and shall be checked and confirmed by the contractor on site. Any discrepancies shall be immediately reported to the landscape architect. Work to figured dimensions only. Do not scale from drawing. Do Not Scale. Use Figured Dimensions Only. Not for Construction Purposes unless Specifically Marked.

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