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## LANDSCAPING PROPOSAL

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### 1.0 INTRODUCTION

This proposal corresponds to the following drawing referring to the landscape proposals for the proposed Town Park at Lime Walk, Maynooth, Co. Kildare.

Dwg. No.	Title	Scale
300 Rev D	Landscape Masterplan	1:500

### 2.0 EXISTING LANDSCAPE ELEMENTS

The site is located directly east of the Main Street and west of Maynooth Gate at Carton

House. The Lime Walk bisects the site in an east-west direction.

The site currently contains a number of mature trees, primarily located along the Lime Walk and within the existing field hedgerows. The site is relatively flat with a gentle slope towards the south-east. Land uses in the immediate area consist primarily of low density residential development, to the north and west of the site, with agricultural lands located to the south of the site. Carton House is located to the east of the site.

### 3.0 LANDSCAPE PROPOSALS GENERALLY

Landscape proposals are shown on the Landscape Plans - Drawings 1051\_300 Rev. D. The layout is structured in design with landscape intervention proposed at key locations. The existing Lime Walk will be enhanced through the provision of additional tree planting, which will eventually replace the existing trees in the years ahead. New footpath locations were carefully considered in relation to the existing site, desire lines, existing trees and levels, as well as the proposed locations of football pitches etc.

It is also proposed to provide the following amenities within the park:- provision of 1no. football pitch and 1no. training pitch, footpaths/cycleways/ tree planting as well as new structure woodland planting.

#### Site Boundaries

Boundary treatment is in keeping with the existing structure and existing boundaries will be retained where possible. In locations where new boundaries are proposed (northern and southern boundaries), treatment will be appropriate to its location (refer to Landscape

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Masterplan). This treatment (in combination with tree/hedge and shrub planting) will assist in successfully integrating the proposed boundaries into the landscape setting of the town park.

#### **4.0 PLANTING PROPOSALS GENERALLY**

All areas within the subject site will be landscaped through the use of tree and hedge planting. Planting will comprise mainly of deciduous tree species, with hedging and areas of shrub species.

#### **4.1 TREE PLANTING**

Trees are to be planted adjacent to footpaths to provide interest and visual relief along the new footpaths/cycleways. Tree planting shall be clear stemmed in growth form and be capable of withstanding rigid pruning. Tree species within this area will comprise mainly of *Acer platanoides*, *Aesculus hippocastanum* and *Quercus robur*. Smaller numbers of Beech and Scots Pine may also be used.

Tree planting will also be carried out to provide new structure woodland planting, as shown on the Landscape Masterplan. Tree planting within these areas will comprise of *Acer platanoides*, *Aesculus hippocastanum*, *Fagus sylvatica*, *Quercus robur* and *Pinus sylvestris*. The tree planting will assist in providing visual relief and interest as well as providing screening from surrounding properties.

#### **4.2 HEDGE/SHRUB PLANTING**

Hedge planting will be used to reinforce existing hedgerows, where required, as well as new hedges to provide structure within the park. Shrub planting shall consist of an evergreen/deciduous mix rather than mono-culture.

#### **4.3 OUTLINE OF OPERATIONS**

Ground preparation will precede planting and will include weed clearance and amelioration where necessary.

A maintenance programme of aftercare for each area will run for 24 months from the practical Completion date, see separated attached Maintenance Schedule.

There will be a period of 12 months defects warranty on all planting with plant failures being replaced in the following planting season.

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- **PLANTING**

Materials

All plant material shall be good quality nursery stock, free from fungal, bacterial or viral infection. Aphis, Red Spider or other insect pest, and physical damage. It shall comply with the requirements of the following sections of B.S. 3936, Specification for Nursery Stock, where applicable:

Part 1: 1965: Trees and shrubs.

Part 2: 1966: Roses.

Part 4: 1984: Forest Trees.

Part 5: Poplars and Willows.

Part 9: 1968: Bulbs, corms and tubers.

All plants shall have been nursery grown in accordance with good practice and shall be supplied through the normal channels of the wholesale nursery trade. They shall have the habit of growth that is normal for the species.

Species

All plants supplied shall be exactly true to name as shown in the plant schedules.

Bundles of plants shall be marked in conformity with the relevant part of B.S. 3936.

Trees shall have a sturdy, reasonably straight stem, a well defined and upright central leader, with branches growing out of the stem with reasonable symmetry, or a well balanced branching head according to the Schedule. The crown and root systems shall be well formed and in keeping with the nature of the species. Roots shall be in reasonable balance with the crown and shall be conducive to successful transplantation.

Trees shall be supplied bare rooted unless otherwise specified. They shall have been lifted carefully to avoid tearing of major roots and to preserve a substantial proportion of smaller and fibrous roots.

Shrubs

Shrubs shall be of the minimum size specified in the schedules, with several stems originating from or near ground level and of reasonable bushiness, healthy, well grown, and with a good root system.

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### Weedkiller Application

All weedkiller shall be applied with properly designed equipment, maintained in good working order and calibrated to deliver the specified volume, evenly and without local over-dosing. Measure all quantities of weedkiller with a graduated measuring vessel.

### Bulky Organic Manure/ Mushroom Compost

Bulky organic manure shall consist either of spent peat compost, mushroom compost, as described above, spent hops, or of well rotted farm manure. Farm manure shall consist of predominantly of faecal matter and shall be free of loose, dry straw and of undigested hay. Manure shall be free of surplus liquid effluent. This shall be used on mounds only. Well spent mushroom compost shall be used in all ornamental planting areas.

### Fertilisers

Controlled release fertiliser N:P:K 15:9:11 plus trace elements - Osmocote plus or similar approved applied at specified rates.

### Stakes for Standard Trees

Stakes shall be of peeled larch, pine or douglas fir, preserved with water-borne copper-chrome-arsenic to I.S. 131, to a net dry salt retention of 5.3 kg. per cubic metre of timber. Stakes shall be turned, and painted one end. Set stakes vertically in the pit, to the western side of the tree station. Tree ties shall be of rubber, P.V.C. or proprietary fabric laminate composition.

### Setting Out

Setting out shall be from figured dimensions where indicated, and otherwise by scaling.

Transplants shall be planted at the spacings indicated, in staggered rows.

Transplants in mixtures shall be planted at the spacings indicated, in staggered rows or at random according to instructions on the contract drawings. Species shall be planted in groups in each area. Set out groups avoiding obvious repetition, regularity, and single lines of one species.

Shrubs and ground covers planted in mass shall be at the spacing indicated on the drawings. Shrubs shall not generally be planted closer to a kerb or to the edge of a planting area than a distance equal to half the spacing indicated for that species.

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### Ripping

Rip all disturbed ground a minimum of 600 mm deep with a subsoiler in two transverse directions.

### Topsoling

Excavate for shrub beds and hedge trenches to 400 mm below finished levels. Dispose of material to areas of filling on site to be agreed. Break up base of beds and trenches min. 150 mm deep. Remove topsoil from areas to be sown with wild-flower mix.

Decompact base of planting bed to allow drainage.

Load and carry topsoil from stockpiles on site, and backfill beds/trenches in layers each not more than 150 mm deep, lightly consolidating each as the work proceeds. Leave area slightly mounded, to allow for settlement.

Incorporate ameliorant and fertiliser, as specified.

### Site Preparation

**Preliminary Weedkilling:** 'Roundup' or equivalent @ 5.0 litres per hectare, in water @ 200 litres per hectare, and application pressure not exceeding 2 bars.

**Transplants:** Weedkill full ground area. Apply a first treatment before 15th July, and a second not later than 15th September to kill regrowth.

**Hedge Trench:** Weedkill. Excavate trench 600 x 400 mm. Add ameliorants as follows, incorporate evenly into excavated material, and backfill:-

Organic Manure:	75 mm deep
Osmocote plus :	70 gm/m

**Shrub Planting:** Weedkill. Spread over all planting

areas:- Organic Manure:	50 mm deep
Osmocote plus :	75 gm/msq

### Standard and Selected Standard Tree Planting

Excavate tree pits to 0.5 cubic metres volume (1.0 m diameter x 60 cm deep). The base of the pit shall be broken up to a depth of 15 cm and glazed sides roughened. Remove subsoil, stones and rubbish to areas of made up ground on site. Supply and drive the stake.

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For planting in areas of made up ground, load and carry topsoil from stockpile on site. In undisturbed ground, backfill with excavated material. Mix the following ameliorants evenly throughout the topsoil while it is stacked beside the pit. (Quantities are calculated for a pit of the specified dimensions):-

Organic Manure:           0.047 cubic m (equivalent to manure 6 cm deep over 1 m diam of tree pit).

Osmocote plus :           250 gm

Trees shall be planted at the same depth as in nursery, as indicated by the soil mark on the stem of the trees. They shall be centred in the planting pit and planting upright. The roots shall be spread to take up their normal disposition. Fit tie.

#### Planting of Shrubs and C.G. Transplants

Remove all plastic and non-degradable wrappings and containers before planting. Make four vertical cuts with a sharp knife on the quadrants through the edge of C.G. rootballs to sever girdling roots. Excavate hole to min. 10 cm greater diameter than the root spread, and to a depth to allow planting to same depth as in the nursery. Spread out roots of bare root species. Backfill in layers of not more than 10 cm, firming each layer and on completion.

#### Replacements

The planting will be inspected in September following planting. Any tree or shrub found to have failed due to defects except for those provided below will be replaced. Replacement planting during the period outlined in 4.3 above, shall conform in all respects with this Specification, including all specified excavation, provision and incorporation of all fertilisers and ameliorants, and weedkiller treatments.

Failures will not be replaced owing to the following reasons:-

- Damage by hares or rabbits.
  - Failure solely due to prolonged dry weather or abnormally inclement weather.
  - Losses due to theft, vandalism or disturbance by others.
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- **GRASS SEEDING**

Seed Mixture

An appropriate seed mix will be specified for the type of sward and level of maintenance

Fertiliser

10:10:20, N:P:K - supplied in bags bearing the names of the manufacturer, the analysis of the contents and the net weight.

Pre-Seeding Weedkiller

All weedkiller shall be applied with properly designed equipment, maintained in good working

order and calibrated to deliver the specified volume, evenly and without local over-dosing. Measure all quantities of weedkiller with a graduated measuring vessel.

Machinery

All machinery shall be in good and serviceable condition.

Weedkilling

Application: Killing existing grass pre-seeding, and killing weeds germinating in re-spread topsoil. Apply 'Roundup' or similar @ 5.0 litres per hectare, in water @ 200 litres per hectare, at application pressure no exceeding 2 bars.

If germinating weed grasses are less than 100 mm high and broad leafed weeds have not produced full-sized leaves, do not apply 'Roundup'. Apply 'Gramoxone 100' or similar @ 3.0 litres/hectare in water @ 200-300 litres/hectare 4 to 7 days before cultivating.

Ripping

Rip with a subsoiler in two transverse directions. The first pass shall be across the maximum fall of the land and the second at right angles to this. Rip at 600 mm maximum centres, at a constant depth of 400 mm.

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### Cultivations

Cultivate in transverse directions by disc or tine harrows and/or rotary cultivators, to the minimum depth specified in the operations schedule. Remove weeds and roots, metal items to produce a tilth.

### Final Grading

During cultivations, grade with a blade, lute or grader, to produce even, flowing surfaces, free from local humps and depressions.

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