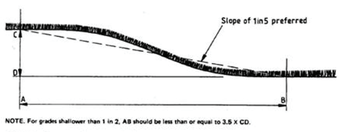
Landscape Plan

Sheet 12

Residential Development
(LRD Application)
Southgreen Road, Kildare, Co. Kildare
Client : Pousterle Ltd.

Open Space Grading



NOTE. For grades shallower than 1 in 2, AB should be less than or equal to 3.5 x CD.

(b) Slack double curve: easily mown at all points.

Figure 3. Maintenance of grass slopes

Note re Open space grading :

As per Kildare County Council requirements, the finished topsoil level of all open space areas shall be flush with adjacent kerbing, and any feature mounding/ground modelling shall have the top and toe of grass banks rounded. The curve to be followed shall be a slack double curve as per fig 3 (b) of BS 4428 with a maximum slope of 1:5 and shall be such that machine maintenance will be possible. A level verge shall be provided between the bank edge and its boundary of at least 2 metres in width.

Note re Topsoil depths :

For grass areas generally min depth to be 250mm quality topsoil (allowing for settlement)

For planting areas min depth to be 500mm quality topsoil(allowing for settlement)

For advanced tree planting, min 1 x 1m pit of quality topsoil to be placed for each tree

Notes re Hard Landscape Finishes

Pedestrian footpaths throughout development -

Proposed finish :
Concrete footpaths to Engineers specification.

Footpaths through Open Space Areas -

Proposed finish :
Concrete footpaths to Engineers specification. Alternative Tarmacadam finish to Engineers specification (no timber edging). Edge with concrete pencil kerbing flush.

Driveways :
Proposed finish : Selected permeable paving to architects / engineers specification

Pedestrian road crossings -
Selected coloured asphalt o similar to coordinate with site finishes to engineers specification.

Open space seating pads and paved social hub -
Selected hard standing areas, tarmac with pencil concrete flush edging, or concrete finish to coordinate with site finishes to engineers specification.

Underground Drainage Services Overlay



Overlay showing underground surface water drainage routes / foul water routes /suds elements, basin locations and sizing.

Please refer to engineers drawings for further details.

Scale 1 : 750 at A0

Underground Services / protection

(Proposed Roor Barrier system)

Greenfix Tree Root Barrier

Description

Greenfix Tree Root Barrier is a 1 or 2mm thick, heavy-duty root barrier which is suitable for any type of plant root and soil. The 2mm thick barrier is also suitable for aggressive rooting species such as bamboo. Alternative thicknesses of the Tree Root Barrier are available upon request.

Tree Root Barrier is 100% recyclable and re-usable and is made from HDPE which is a clean and environmentally friendly material which will not affect the soil unlike products made from PVC. Tree Root Barrier is a cost effective, high quality product which offers a long lifespan to provide the best results.

Material:

- High density polyethylene (HDPE)
- Produced from 100% recycled material
- 100% recyclable
- Colour – Black
- Lifespan of 100 years minimum.
- Easy to install
- UV-resistant
- Waterproof
- Flexible
- Resistant against chemical elements and micro-organisms.



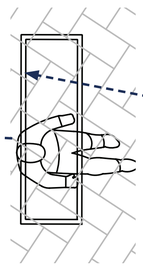
Note re Root barrier membrane

Root membrane to be used adjacent to all flexible paved surfaces and where planting is within 3 metres of underground service runs (Greenleaf reroot or similar approved). All areas of flexible paviours adjacent to tree and hedge planting to be edged with membrane on the planting side throughout scheme.

Note-
In particular Root barrier membrane to be used adjacent to street trees near water main routes where it is not possible to modify water main routes due to requirements.

Proposed Seating and Hardscape Finishes





Seating type :
Hartecast HC20203S or similar approved -Dura Composite and cast ductile iron seat with stainless steel frame complete with back support and side arm rests or similar approved public area types seating by alternative man-

Selected hardstanding base. Concrete finish, Tarmac or selected paving.



Seating locations denoted by symbol as shown. (Please refer to Landscape Masterplan drawing)

Rootbarriers

Rootbarrier detail to softscape tree pit adjacent to underground services. (Typical above - to be detailed between landscape architect and and engineers)

Bioretention Suds Tree Pit Detail

Bioretention tree pit detail. (Typical above - to be detailed between landscape architect and and engineers)

Key :

1. Road level
2. Road gulley as per engineers details
3. Pavement with build up sububse to engineers details.
4. Kerb or pavement restraint edge.
5. Feature trees for individual areas as per landscape planting schedule including support stakes and air / water inlet to rootball.
6. Base Planting and Medium grade bark mulch surface finish.
7. Capped overflow cleaning access to perforated pipe
8. Topsoil growing medium. Sandy loam free draining topsoil mix. Neutral pH. (Filter medium to meet permeability rate specified by engineers, eg typically 10-300m/hr) Note - each tree to have min 1.5m3 quality topsoil per tree pit to a min depth of 700mm.
9. Distribution drain (to engineers detail)
10. Non woven geotextile membrane.
11. Structural subsoil soil layer to consist of clean broken stone 100mm size with free draining soil. Structual soil to extend under adjacent pavement as required. CBR to engineers requirements. 750mm deep layer.
12. Pea gravel bed with perforated collector pipe with non woven geotextile wrap, drain ing to surface water system.
13. Root barrier membrane 600mm deep at edge of planting pit Greenleaf 're-root' or similar approved.
14. Structural soil to extend as required for extended polishing filter.
15. Denotes outline of principal root development area, (but not confiend to this at lower levels.)

Planting Methodology / Standards

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 planting pit to ensure a minimum depth of 600mm topsoil. Fork over the base of the pit to achieve an even tilth 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 rootball to same depth as in nursery leaving 25mm of soil over the soil nursery mark on the stem of each tree. Backfill in layers not exceeding 225mm deep, making firm as the work proceeds. Install 100mm wavin land drain pipe for irrigation.
Water thoroughly andsoil and allow to drain, ensuring that there is a minimum cover of 25mm. Stake on south side of tree.

Stakes
Stakes shall be of peeled larch, Pine or Douglas Fir, preserved to manufactureres recomendation. Stakes shall be turned and pointed one end. For tree size6-8 up top 10-12cm use single stake. For tree sizes 12-20cm girth sizes use twos stakes with cross member. Use 2 stakes per tree set max. 500mm from tree. Stakes shall be min 1200mm * 100mm dia. For trees size 20-30cm girth use three stakes as above. For whips and trees up to 180cm height use a single stake min 70mm x 70mm. 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, leaving the tie end free for adjustment.

Fertilizer Application
The contractor shall apply Osmocote 16-18 month slow release fertilizer at the rate of 30 gms per plan / tree when planting.

Mulching
All planted areas to be mulched with medium grade landscape bark mulch to a settled depth of 60mm.

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.

Maintenance and Defects Liability Period
It covers a subsequent maintenance programme for a period of 18 months. The client expects the contractor to maintain all plantings in excellent conditions.
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 defined period as per main contractors instruction from the date of completion of the contract.

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.

Lawn Areas
Areas shown on the plan in green to be grassed. (ie both public areas to front and rear of building and also private garden spaces.

All of the open space areas to be covered with topsoil as per depths outlined below, and ensure quality topsoil to be used prior to cultivation.

Compacted subsoil to be loosed by ripping prior to application of topsoil.

Areas to be cultivated, stoneburied, graded fineraked and seeded with a quality No. 2 lawn mix.

Precise seed mixture to consist of the following or similar approved No. 2 lawn mix :

25% Bariene Dwarf perennial
25% Barrage Dwarf perennial
20% Boreal Creeping red fescue
20% Herald Creeping red fescue

Note re Topsoil depths.

Underground attenuation areas :
Minimum 500mm of topsoil to be provded over attenuation areas as per engneers detail

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

Project : Residential Development (LRD) at Southgreen rd, Kildare. Client : Pousterle Ltd.
Drawing No. (Planning) 26/ PL/ SG2/LRD/ 012 Rev B Notes :
Date : February 24th, 2026
Design / Checked: AR

TIMING OF LANDSCAPE WORKS :

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

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