

GROWING MEDIUM TYPE 1:

Refer to growing medium specification.
 Growing medium for cellular tree trenches BS 3882:2015 imported Multipurpose topsoil min two cells deep 600mm+400mm mm deep RootSpace by Greenleaf or E/A to growing medium specification with ReRoot Rootbarrier by Greenleaf or E/A to all planters.
 *NOTE All soil to be provided, graded and installed by soft landscape contractor. Supply soil analysis to be approved by Landscape Architect prior to arrival on site. Where well compacted sub-base for planting does not occur and subsoil medium is required refer to growing medium specification. To be supplied by soft landscape contractor and approved by Landscape Architect prior to arrival on site.

GROWING MEDIUM TYPE 2:

Refer to growing medium specification.
 Growing medium for raised planters and or privacy strips only no trees. BS 3882:2015 imported Multipurpose topsoil min 850mm deep to growing medium specification with ReRoot Rootbarrier by Greenleaf or E/A to all planters.
 *NOTE All soil to be provided, graded and installed by soft landscape contractor. Supply soil analysis to be approved by Landscape Architect prior to arrival on site. Where well compacted sub-base for planting does not occur and subsoil medium is required refer to growing medium specification. To be supplied by soft landscape contractor and approved by Landscape Architect prior to arrival on site.

GROWING MEDIUM TYPE 3:

Refer to growing medium specification.
 BS 3882:2015 imported Multipurpose topsoil 1.1m deep to growing medium specification with ReRoot Rootbarrier by Greenleaf or E/A to all edges and sides of soil pathway edges and or boundary / building edges.
 *NOTE All soil to be provided, graded and installed by soft landscape contractor. Supply soil analysis to be approved by Landscape Architect prior to arrival on site. Where well compacted sub-base for tree does not occur and subsoil medium is required refer to growing medium specification. To be supplied by soft landscape contractor and approved by Landscape Architect prior to arrival on site.

GROWING MEDIUM TYPE 4:

Refer to growing medium specification.
 BS 3882:2015 imported Multipurpose topsoil 650mm deep to growing medium specification
 *NOTE All soil to be provided, graded and installed by soft landscape contractor. Supply soil analysis to be approved by Landscape Architect prior to arrival on site. Where well compacted sub-base planting does not occur and subsoil medium is required refer to growing medium specification. To be supplied by soft landscape contractor and approved by Landscape Architect prior to arrival on site.

Public lighting Escofet Bali RAL 8007. Wall mounted / double or alternate luminaire mounted head where applicable. LED warm white

- All lighting in accordance with BCT Lighting Guidelines (BCT, 2018):
- All luminaires used should lack UV/IR elements to reduce impact.
 - LED luminaires should be used due to the fact that they are highly directional, lower intensity, good colour rendition and dimming capability.
 - A warm white spectrum (<2700 Kelvins should be used to reduce the blue light component of the LED spectrum).
 - Luminaires should feature peak wavelengths higher than 550nm to avoid the component of light most disturbing to bats.
 - Column heights should be carefully considered to minimise light spill. The shortest column height allowed should be used where possible.
 - Only luminaires with an upward light ratio of 0% and with good optical control should be used.
 - Luminaires should be mounted on the horizontal, i.e. no upward tilt.
 - Any external security lighting should be set on motion-sensors and short (1min) timers.

For soil specification refer to soil and growing medium specification in landscape specification
 For tree specification refer to planting schedule.

Tree Species
As <i>Acer saccharum</i> (sugar maple)
Au <i>Arbutus unedo</i> (Strawberry Tree)
Ap <i>Acer Palmatum</i> (Japanese Maple)
Ck <i>Cornus kousa</i>
Ca <i>Corylus avellana</i> (Hazel)
Cm <i>Cotoneaster monogyna</i> (Hawthorn)
Ee <i>Elaeagnus x ebbingei</i> (Mouseberry)
Hs <i>Hippophae salicifolia</i> 'Streetwise' (sea buckthorn)
Jc <i>Juniperus communis</i> (Common Juniper)
Ms <i>Malus sylvestris</i> 'Evereste' (Crab apple 'Evereste')
Pm <i>Pinus mugo</i> 'Pumilio' (Dwarf Mountain Pine)
Pm* <i>Pinus mugo</i> (Mountain Pine)
Pn <i>Pinus nigra</i> (Austrian Pine)
Pt <i>Populus tremula</i> (aspen)
Pa <i>Prunus avium</i> (Wild cherry)
Pq <i>Pyrus calleryana</i> 'Chanticleer' (Callery pear 'Chanticleer')
Qo <i>Quercus petraea</i> (sessile oak)
Qr <i>Quercus robur</i> (English oak)
Ss <i>Sorbus aria</i> 'Majestica' (Whitebeam Majestica)
Tr <i>Tilia tomentosa</i> (Silver Linden, European White Lime)

Planting Mix (P.Mix) refer to planting schedule for specification and densities.

	P.Mix 1/ Underplanting to courtyard raised planters		Hedge 1: Formal courtyard hedging refer to schedule
	P.Mix 2/ Watergarden underplanting shade tolerant mix		Hedge 2: Native Mixed Hedgerow 1.8m tall where located at top of embankment hedgerow to screen fence with perforated mesh fencing to allow for wind to percolate through. Boundary hedging as indicated. Refer to schedule.
	P.Mix 3. Boundary underplanting		Hedge 3: Hedge to retaining wall public realm refer to planting schedule
	P.Mix 4. Public walkway underplanting mix		Reinforced grass system by Escofet or E/A ref 'Checkerblock' & 'Redes'. Refer to landscape materials specification drawing.
	P.Mix 5. Seaward side underplanting to feature entrance promenade.		Basement line all soft landscape within this area on podium. Irrigation system required for podium soft landscape areas.
	P.Mix 6/ Sedum capping to retaining element		Proposed site for biodiversity. Refer to ecologist report and landscape maintenance specification. Location of bird and bat box's as per ecologist report.
	P.Mix 7. Public realm street underplanting.		
	P.Mix 8. Privacy planting street to residential units.		

	Existing Trees for removal		Existing Trees for retention outside of subject site but within ownership of applicant behind retaining wall.
	Proposed semi mature trees standard		Proposed semi mature trees multi-stem

Note: Planting schedule is provided following consideration on planting mass and in accordance with principles of SAAO Hovth Guidelines and relevant aspects of current Landscape and Green infrastructure sections of Fingal County Development Plan.
 Please note there are limitations on certain species for phytosanitary reasons. Oak species cannot be imported and must be Irish Grown which has limited supply of semi mature trees. Ash Dieback poses a major risk to ash trees in Ireland currently and for that reason has not been included in the planting selection despite having characteristics being: native and coastal tolerance that makes it a suitable tree in other criteria.



Bird and Bat box's located along tree lined boundary in accordance with ecologists report and recommendations.

Optimum biodiverse specification for biodiverse zone within proposed development.
 Recycle existing 300mm topsoil if approved by LA following soil test analysis remainder imported for depth of soil for tree pits allow for existing seed bank to regenerate. Refer to landscape specification for soil stripping, handling and grading an testing. NO HERBICIDE PERMITTED in this zone during any soil management procedures

If soil tests reveal contamination poor quality soil texture, structure and or contains invasive species all soil to be imported and. Embankment to be grass seeded following embankment works using Seaside Wildflora (Mix) EC06. Native Origin Irish Wildflower Seed Mixtures. Ecotype Range by Design by Nature or E/A by ecologist. NO HERBICIDE PERMITTED in this zone.

Zone to remain without intensive management as per ecologist detail. Refer to landscape specification