



Canopy Extent

Cardinal Radii

Category Cole

Stem Circumference

Root Protection Area (RPA)

Canopy is drawn to account for any natural asymmetry or imbalance. Crown Representation is scaled to account for north, east, west and south radii.

Root Protection on Area (RPA)

This area relates the "RPA" radius as defined in the Tree Survey Table and is measured from the tree centre.

This area defines the preliminary Construction Exclusion Zone (CEZ) that must be protected by fencing from the potentially damaging affects of construction activity.


Category "A" Trees (Green Button)  
Excellent Quality Trees


Category "B" Trees (Blue Button)  
Good Quality Trees


Category "C" Trees (Gray Button)  
Mediocre to Poor Quality Trees

Category "U" Trees (Red Button)  
Dead, Dying or Otherwise/Compromised  
Trees that are Unsustainable

Tree Line

 Location Of Primary Construction Exclusion Fencing

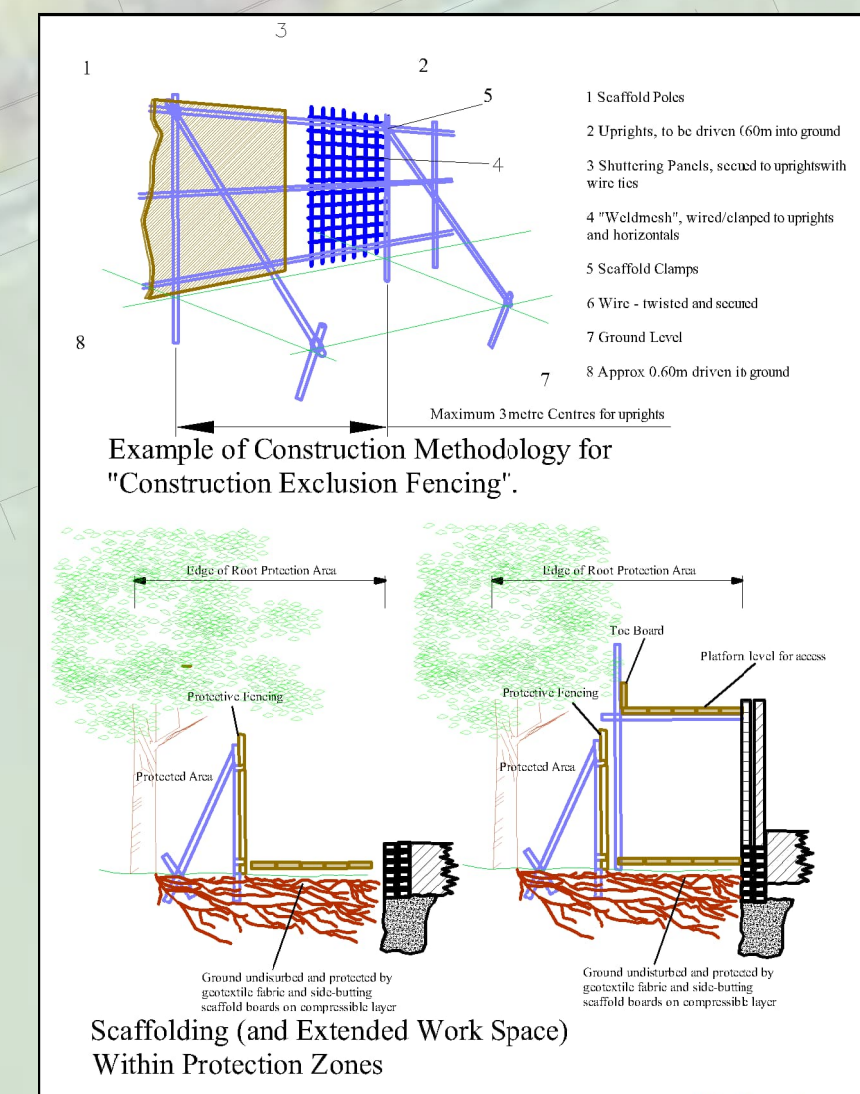
 Area Of Primary Construction Exclusion Fencing

 Location of known works within "Construction Exclusion Zone", to be undertaken using low-impact methodologies and under the guidance of the Project Arborist

This Drawing Must Be  
Read in Conjunction with  
the "Arboricultural Method  
Statement" at "Appendix 1  
of the Associated  
Arboricultural Report

Description: Tree Protection Plan

Fortfield Road Tree Protection Plan WES



PROPOSED UPGRADE OF 60m OF THE  
EXISTING 225mm D VITRIFIED CLAY  
FOUL SEWER TO A 300mm ID SEWER  
TO CONFORM TO CLAUSE 3.13 OF THE  
IRISH WATER WASTEWATER CODE OF  
PRACTICE. PROPOSED WORKS AS PER  
IRISH WATER'S CONFIRMATION OF  
FEASIBILITY LETTER CDS22001182

PROPOSED HYDRO-BRAKE (MODEL  
CTL-SHE-0134-8300-1300-8900) OR  
EQUIVALENT VORTEX FLOW RESTRICT  
DEVICE.  
DESIGN DEPTH HEAD: 1.30m

**Cellular Confinement Systems** can provide robust ground protection that can provide

Diagram illustrating the proposed geotextile fabric structure, showing layers: GeoTextile Fabric, Porous Bearing Surface, and Ground Pegged Timber Edge.

Existing Ground

Cellular  
Confinement System

40/20 Clean  
Angular Stone

Temporary access can be provided for machinery and plant etc. can be provided by (Subject to Agreement with Site Arborist) the use of proprietary "Roll-Out" tracking and/or "Ground Protection Mats"

The diagram illustrates two types of ground mats. On the left, 'Proprietary Roll-Out Tracking' shows a roll of material being unrolled, with a cross-section view showing a complex internal structure. On the right, 'Interlocking Ground Mats' shows several rectangular mats laid out in a grid, with one mat being lifted to show its underside, which has a different internal structure than the roll-out mat.

Limited temporary access for pedestrians and pedestrian controlled machinery etc. can be provided by (Subject to Agreement with Site Arborist) scaffold planks butted together and suitably stabilized or by the use of steel plates or similar temporary surfacing.

Each of the above must be installed on a progressive, rolling-out basis, with access only being gained from previously protected ground.

The ground beneath such systems must be protected by the use of a "Geotextile" membrane and a layer of "Compression Resistant" material (e.g. wood chips).

All above option must accord with the recommendations of Section 6.2.3 of BS5837-2012.

### Examples of Ground Protection Systems



Permitting work can be

achieved from existing structures, utilizing a "top-down-pull back" system that avoids mechanical action

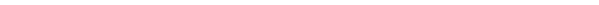


Existing or Provided  
Temporarily e.g. Existing  
Formwork Surface or  
Temporarily Load Bearing

A diagram showing a cross-section of a nest. The nest is represented by a grey, textured area. Above the nest is a dark, horizontal line representing the ground surface. Below the nest is a wavy line representing the soil. A label 'Roosting Area - Soil' points to the grey area of the nest.

Any removal of existing surfaces must preserve ground-space beneath surface without disturbance.

### Mechanised Works Within Protection Zones



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Fortfield Road Tree Protection Plan WEST 1/1 Scale 1:500 @ A1

This is a colour coded drawing that will be difficult or impossible to interpret if reproduced in black and white