

Cellular Confinement Systems can provide robust ground protection that can provide access for larger plant and machinery but must be installed in accordance with manufacturers specification and to engineers requirements.

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".

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

Demolition work can be achieved from existing structures, utilizing a "top down" method, ensuring that the ground surface is not disturbed.

Surface Layer - either Existing or Proposed Temporary Surface, or Temporary Land Raising Surface to Arterial Specifications.

Machinery must remain on protected ground (existing or provided) and must avoid moving onto unprotected (soft) ground.

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

Mechanised Works Within Protection Zones



Example of Construction Methodology for "Construction Exclusion Fencing".

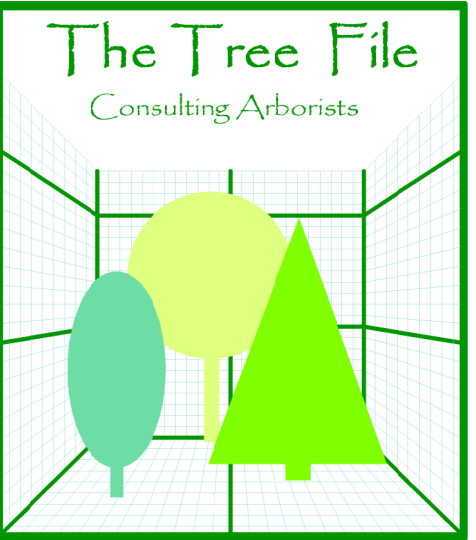
1 Scaffold Poles
2 Uprights to be driven 0.6m into ground
3 Shuttering Panels, secured to uprights with wire ties
4 "Webmesh", wired clamped to uprights and horizontal
5 Scaffold Clamps
6 Wire - twisted and secured
7 Ground Level
8 Approx 4.6m driven to ground

Maximum 3 metre Centre for uprights.

Scaffolding (and Extended Work Space) Within Protection Zones

Ground undisturbed and protected by geotextile fabric and 40/20 clean angular stone. Scaffolding boards on geotextile fabric.

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Graphic Representation of Tree and Protection Zone

Canopy Extent
 Cardinal Radii
 Category Code
 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 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 effects of construction activity.

- Category "A" Trees (Green Button)
- Category "B" Trees (Blue Button)
- Category "C" Trees (Grey Button)
- Category "U" Trees (Red Button)
- Trees Intended for Retention - Solid Green Crown Outline
- Location Of Primary Construction Exclusion Fencing
- Area Of Primary Construction Exclusion Fencing
- Location Of Ground Protection and Controlled Low-Impacts Works

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

Client : Oval Target Limited
 Scale : 1:500 @ A1 Date : December 2021
 Project : Tree Survey, St. Teresa's, Temple Hill, Monkstown, Blackrock, Co Dublin
 Description : Tree Protection Plan
 Drawing Title : St Teresa's Tree Protection Plan