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N
Metres 1:500 @ A0

Individual Tree Symbols

Project Shaded Area
Canopy spread to central points shown in category colour

Tree shown to scale

Tree Number & Category
Minimum RPA (imagery circle)
Adjusted RPA (adjusted canopy line)

Tree Protection Methods

Tree Protection Fencing (TPF)
Indicated by the red line.
Fencing designs will need to reflect the expected size of plant and the level of forecasted intensity of change.

Construction Exclusion Zone (CEZ)
Indicated by the red hatching.
These are 'NO-GO ZONES' for site works, storage and operatives.
To be protected by appropriate fencing and/or ground protection.
These areas shall be identified with signage.

Tree Precarious Zone - (TPZ)
Indicated by blue shading.
Tree root activity is likely in these areas and will need to be appropriately protected before the start of the works.
Materials and methods need to limit excavation, root loss or damage to soils.

Plan is based upon the supplied topographical Survey Plan. Copies of this plan are available in CAD Formats .dwg & .dxf upon request.

Revision Description
A - Preliminary Issue

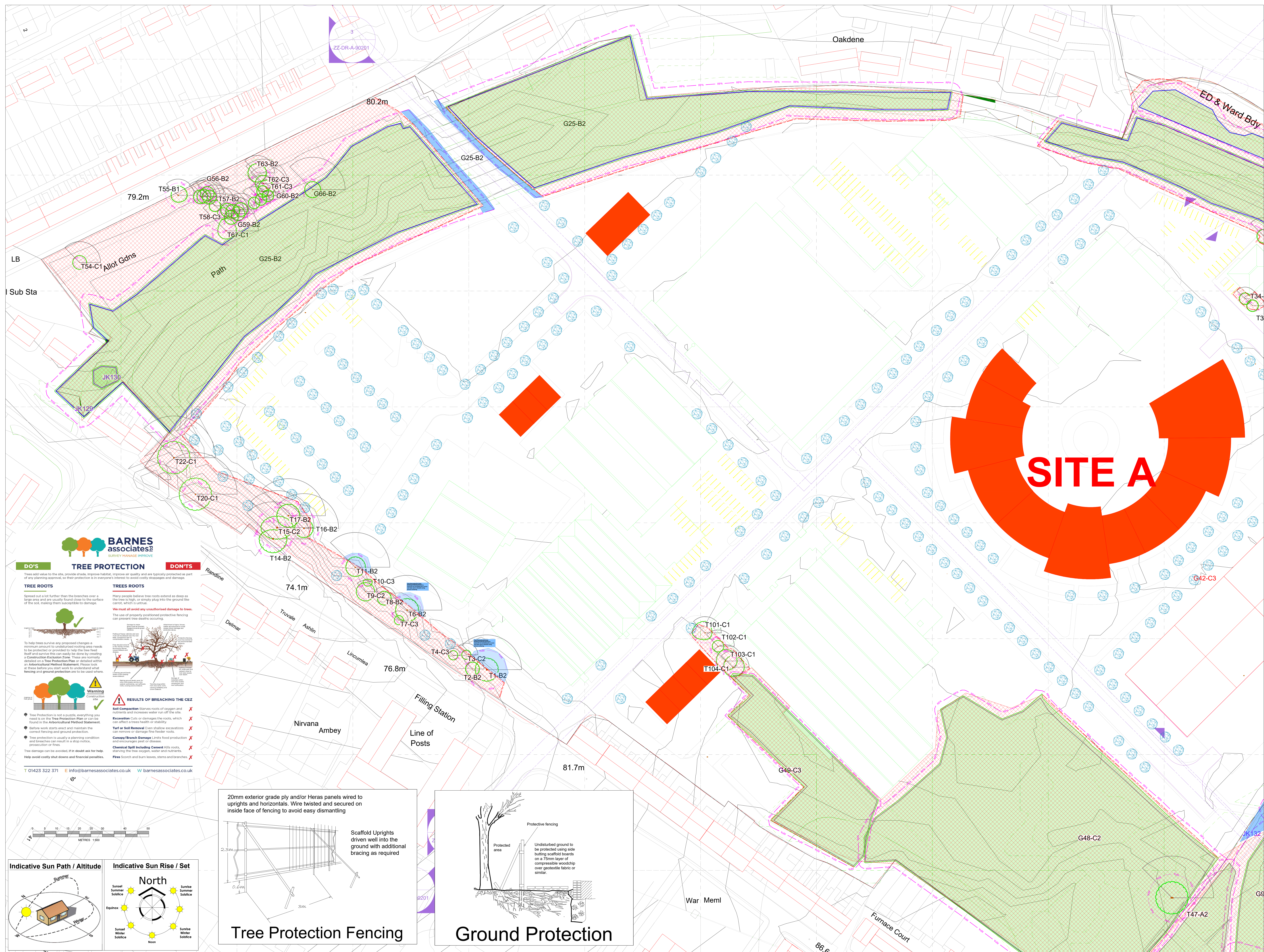
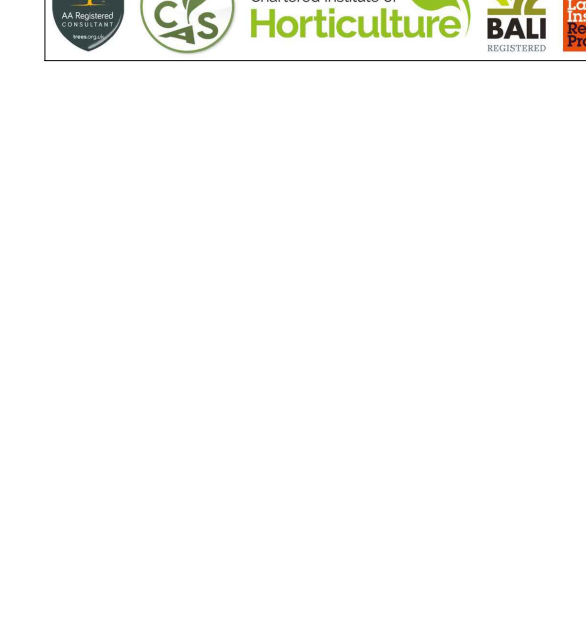
Copland Borough Council

Cleator Moor Innovation Quarter

Tree Protection Plan

Drawing No	BA11078TPP-NW	Revision	P
Scale	1:500 @ A0	Author	A
Date	10/11/2021	Drawn by	MM

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SURVEY MANAGE IMPROVE

DO'S **TREE PROTECTION** **DON'TS**

Trees add value to the site, provide shade, improve habitat, improve air quality and are typically protected as part of any planning approval, so their protection is in everyone's interest to avoid costly stoppages and damage.

TREE ROOTS

Spread out a lot further than the branches over a large area and are usually found close to the surface of the soil, making them susceptible to damage.

TREES ROOTS

Many people believe tree roots extend as deep as the tree is high, or simply plug into the ground like a carrot, which is untrue.

We must all avoid any unauthorised damage to trees. The use of properly installed protective fencing can prevent tree deaths occurring.

The use of properly installed protective fencing can prevent tree deaths occurring.

RESULTS OF BREACHING THE CEZ

- Soil Compaction** Starves roots of oxygen and nutrients and increases water run off the site.
- Excavation** Cuts or damages the roots, which can affect a tree's health or stability.
- Turf or Soil Removal** Even shallow excavations can remove or damage the feeder roots.
- Canopy/Branch Damage** Limits food production and encourages pest or disease.
- Chemical Spill including Cement** Kills roots, starving the tree oxygen, water and nutrients.
- Fires** Scorch and burn leaves, stems and branches.

Help avoid costly shut downs and financial penalties.

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Indicative Sun Path / Altitude

Indicative Sun Rise / Set

North

Sunrise Summer Solstice

Sunset Summer Solstice

Equinox

Sunrise Winter Solstice

Sunset Winter Solstice

Noon

20mm exterior grade ply and/or Heras panels wired to uprights and horizontals. Wire twisted and secured on inside face of fencing to avoid easy dismantling

Scaffold Uprights driven well into the ground with additional bracing as required

Tree Protection Fencing

Protected area

Protective fencing

Undisturbed ground to be protected using side butting scaffold boards on a 70mm layer of compressible woodchip over geotextile fabric or similar.

Ground Protection